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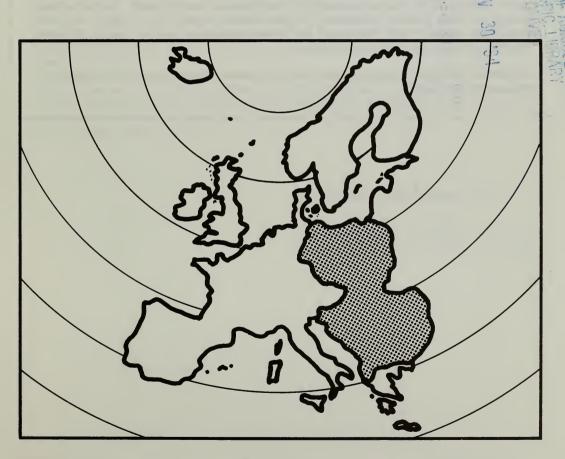
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A 281.9 Ag 8F Eastern Europe **Eastern** Agricultural **Situation**

Review of 1976 and **Outlook for 1977**



United States Department of Agriculture

Economic Research Service

Foreign Agricultural Economic Report No. 134 EASTERN EUROPE AGRICULTURAL SITUATION, REVIEW OF 1976 AND OUTLOOK FOR 1977. Centrally-planned Countries Program Area, Foreign Demand and Competition Division, Economic Research Service. Foreign Agricultural Economic Report No. 134.

ABSTRACT: In 1976, agricultural production increased in Bulgaria, Romania, and Yugoslavia, and decreased in Czechoslovakia, the German Democratic Republic (GDR), Hungary, and Poland. Grain, rapeseed, and soybean production reached record levels, despite drought in Czechoslovakia, the GDR, Hungary, and Poland. Cattle and hog numbers declined; poultry increased. U.S. agricultural exports to the region were at a record high. Medium term plans call for a faster increase in crop than in livestock production and for reduced grain imports.

KEYWORDS: Eastern Europe, weather, crops, livestock, food consumption, agricultural trade, agricultural plans.

FOREWORD

This report reviews and analyzes major developments in the food-and-fiber sectors of Eastern Europe during 1976 and provides information on the outlook for 1977. Emphasis is given to agricultural developments of major concern to the United States, especially developments affecting the outlook for foreign trade of farm commodities.

The report updates and supplements data found in Foreign Agricultural Economic Report No. 117, *The Agricultural Situation in Eastern Europe: Production and Trade Statistics, 1970-75.* It is one of seven regional publications on the world agricultural situation. Other reports are being published on the USSR, Western Europe, the Western Hemisphere, Africa and West Asia, Asia and Oceania, and the People's Republic of China.

Thomas A. Vankai directed and coordinated the preparation of this report. Sections of the report were written by Andrew A. Duymovic, Miles J. Lambert, and Thomas A. Vankai. Carolyn E. Miller assisted in the compilation of statistical data. Information submitted by the U.S. Agricultural Attaches in Belgrade, Vienna, and Warsaw is acknowledged with appreciation.

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ABBREVIATIONS AND TERMS

Abbreviations

CCC = Commodity Credit Corporation

CEMA = Council for Mutual Economic Assistance

EEC = European Economic Community

FAO = Food and Agriculture Organization of the United Nations

GDR = German Democratic Republic or East Germany

Terms

Agricultural Land -- Cultivated land, gardens, orchards, meadows, and pastures.

Agricultural Trade--Raw materials for food and fiber; feeds; and food and food products.

Carcass weight--Includes meat, edible fat, and edible offals.

Eastern Europe:

Northern Countries--Czechoslovakia, German Democratic Republic, Poland

Southern Countries -- Bulgaria, Hungary, Romania, Yugoslavia

Transshipments--United States exports destined to Eastern Europe unloaded in Canada or Western Europe and reported by the U.S. Census Bureau as exports to the port of entry.

Units

Metric units are used throughout:

One metric ton = 2,204.6 pounds One quintal = 100 kilograms One kilogram = 2.2046 pounds One hectare = 2.471 acres

Conversion factors

Cowhides: one piece = 20 kilograms
Milk: one liter = 1.031 kilograms

Soybeans: one unit = 79.5 percent soybean meal equivalent,

or 18.0 percent soybean oil equivalent

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Eastern Europe Agricultural Situation

Review of 1976 and Outlook for 1977

SUMMARY

Gross agricultural output in 1976 was up in Bulgaria, Romania, and Yugoslavia; down in Czechoslovakia, the German Democratic Republic (GDR), Hungary, and Poland. A prolonged drought in the northern countries and Hungary reduced yields of many crops, particularly forages. Despite the drought, Eastern Europe's total grain harvest of more than 93 million tons was a record. Rapeseed, soybeans, and tobacco harvests also attained alltime high regional levels. In the southern countries, vegetable and fruit production registered gains. Sugarbeet production declined slightly; but, with the exception of Poland, an increase in sugar content was reported. Although the harvested area of potatoes declined, production increased. Forage crops, meadows, and pastures were the most seriously hurt by the drought.

The decline in crop production in the northern countries cut into domestic feed supplies and caused distress hog slaughter. Except for poultry and sheep, regional totals of livestock numbers declined. Poland suffered the most serious setback. Hog numbers there declined by 22 percent.

As a consequence of lower livestock inventories, total meat production in the region declined 2 percent. A decline in pork production was partially offset by an increase in poultry meat production. Milk and egg production increased slightly.

Declines in domestic meat production, rising incomes, and stable meat prices caused intermittent, local meat shortages, mainly in Poland and Czechoslovakia. The Polish Government's proposal for retail food price increases ran into serious opposition and was withdrawn.

To avoid more serious livestock retrenchments, it became necessary to increase imports of concentrated feed. Grain output, while a record in the region, remained below trend in four of the seven countries. Since 1976 was the second con-

secutive year of a shortfall in grain output in Czechoslovakia, the German Democratic Republic, and Poland, reserves there had been depleted. The United States, with increased export supplies of grain and soybean products, helped satisfy the affected countries' growing feed requirements. The United States supplied about 7 million tons, more than half of the region's grain imports. The region increased its soybean meal imports (including soybeans on a meal basis) by 15 percent, and the U.S. share rose from 43 percent in 1975 to close to 50 percent in 1976.

The total value of U.S. agricultural exports to the region (including transshipments) reached a high of \$1.3 billion in 1976. Despite easing grain prices, grain accounted for more than two-thirds of the U.S. export value, followed by soybeans and soybean products, accounting for 13 percent. The East European deficit in agricultural trade with the United States deteriorated in 1976, despite increases in the volume and value of Eastern Europe's ham and other pork product exports to the United States.

Poland had to step up its meat imports and reduce raw meat exports. In the northern countries, a decline in export supplies of agricultural products and additional feed imports heavily taxed total trade balances.

The harvest outlook for 1977 for Eastern Europe was favorable as of the end of March. Planned sowing was almost completed in the fall and no unusual winterkill was reported. Some water damage occurred in February, however.

If grain production returns to trend levels, grain imports may decline to about 10 million tons in 1977/78. The United States will likely supply about 4 million tons of grain to the GDR and Poland, in accordance with informal understandings with those countries. A small decrease in total East European imports of oilseeds and

products is also likely. Poland will have to continue importing meat, probably to the extent of 100.000 tons.

The medium range plans for 1976-80 call for faster increase in crop than in livestock production. The plan for crop production growth is

ambitious; the annual average grain production target is 106-110 million tons. Substantial increases are targeted for oilseeds and sugarbeets. Greater use of fertilizers and machinery, as well as technological and managerial improvements, should contribute to increased production.

REGIONAL GRAIN RECORD DESPITE DROUGHT IN NORTHERN COUNTRIES

Lack of adequate rainfall was a serious problem in 1976 in the northern countries of Eastern Europe. The low precipitation throughout the vegetation period gradually reduced soil moisture by August to one-third of normal in the GDR, and to about one-half of normal in Czechoslovakia. Soil moisture was also below normal in Hungary and Poland. Low soil moisture was especially damaging on loose, sandy soils. Poland has large areas of light soils, and crops there suffered relatively more than the about 20-percent-below-normal soil moisture would indicate. In contrast, the southern countries except for Hungary had adequate rainfall until July and above average rainfall in the successive months.

Weather conditions throughout Eastern Europe generally were favorable for sowing in the fall of 1976. An extreme soil moisture deficit persisted in the GDR through the end of 1976, but, by January 1977, the soil moisture had rebuilt to about three-quarters of normal. December temperatures were slightly below average in the northern countries, but snow cover was adequate. January turned out to be milder than average in all of Eastern Europe, and there were no reports of winterkill.

In early February, water levels of some rivers were dangerously high in parts of Czechoslovakia, Hungary, and Yugoslavia. Floods inundated 5,000 to 10,000 hectares in Czechoslovakia and Yugoslavia, and ground water damaged more than 100,000 hectares in Hungary.

Record Grain Production

Regional grain output set a record in 1976. But despite the overall good production results, 1976/77 grain imports will likely reach new highs. Production remained below trend in the regular grain importing countries of Czechoslovakia, the GDR, and Poland. A more serious shortfall occurred in the nongrain feed harvest; consequently, grain reserves were used up. Although hog inventories were down as of January 1977,

farmers need the security of adequate reserves to rebuild herds. An increase in the number of hogs is being officially promoted—especially in Poland.

Small grains ripened a few weeks earlier than normal in Eastern Europe because of the prolonged dry conditions. However, corn was slow to develop in the earlier stages and ripened later than usual in the fall. The quality of the small grains harvested was good. However, most of the corn had a high water content when it was harvested, so it is susceptible to quality deterioration and spoilage.

Total grain output is estimated at more than 93 million tons, a record high. The reported Romanian grain harvest was 17 percent, or 2.9 million tons above the previous record reached in 1972.

Most grains developed well until early summer, when the drought in the northern countries and Hungary, lasting from June to August, turned the outlook gloomy.

Not until September, after the small grain harvest was completed, did it become known that the drought-inflicted losses were not as serious as feared earlier. The drought caused greater than usual variations in yields between well managed and poorly managed farms, and between farms operated under good or inferior soil conditions.

In 1976, as in the previous 4 years, total harvested grain area in Eastern Europe remained the same, occupying about 53 percent of arable land. However, in Poland the grain area has gradually declined and in 1975/76 was down by 700,000 hectares from the level of 4 years earlier. Polish authorities are concerned with this downward trend, and a rebound of 400,000 hectares has been targeted for the 1977 crops. The GDR, the other chronic grain-deficit country, also plans some area increases.

Wheat is the major grain in Eastern Europe, with 35 percent of the total harvested grain area, followed by corn, with 27 percent. Corn is the leading grain in Hungary, Romania, and Yugoslavia. Because wheat, corn, and barley

have higher yields, the area of these grains has been expanding at the expense of rye and oats. In 1976, after several years of small-scale experiments, Poland introduced a short-vegetation variety corn for grain on 50,000 hectares. Since the results were satisfactory, corn production is being promoted, and sown area is expected to double by 1980, and may reach 400,000 hectares in the long run.

Average grain yields in the region increased annually from 27.3 quintals per hectare in 1971 to 32.1 quintals per hectare in 1976. The only dip in the trend occurred in 1975. The 1976 average yield reflects both the drought-reduced yields in the northern countries and Hungary and the outstanding results in Romania, where weather conditions were favorable.

Growing use of fertilizers, herbicides, and pesticides and their improved scientific application is one of the primary reasons for the relatively good yields. In addition, new, more drought- and disease-resistant seed varieties were sown. Also, production has become more mechanized, specialized, and systematized.

Comparatively favorable producer prices served as an incentive in planting grains. Government purchase prices assured farmers a guaranteed revenue in each country. Also, in Hungary, Poland, and Yugoslavia, free market activities are tolerated.

In addition to favorable producer prices and administrative guidelines, most of the respective Governments influence planting decisions by contracts. The contracting farmers get priority delivery days, advance payments, special seeds, and fertilizers under favorable terms. In Poland, a policy to tie farmers' pensions to the quantity of products delivered to the state buying agencies has been discussed recently.

Higher import prices and increased costs of production during 1976 forced Hungary, Poland, and Yugoslavia to readjust prices and commodity price relationships. Consequently, at mid-year, average producer prices for grains in Hungary and Yugoslavia were raised about 10 percent and in Poland, about 40 percent.

Grain Import Record Likely

Despite the regional record grain output and about a 4-percent decline in hog numbers during 1976, July 1976-June 1977 grain imports may surpass 14 million tons—the largest level of imports ever for the region (table 1). The need for stepped-up imports has arisen from the depletion of grain reserves in the northern countries and the drought-

inflicted forage losses of 20 to 30 percent. In addition, Poland is determined to rebuild its hog inventory.

Polish officials indicated that they will buy 6 to 7 million tons of grain during July 1976-June 1977. The import requirement is estimated at 4.5 million tons in the GDR, and 2.5 million tons in Czechoslovakia. Yugoslavia reportedly will import about 500,000 tons of wheat from Romania in 1977, but has an exportable surplus of about 800,000 tons of corn. Hungary had to cut exports of wheat to less than 500,000 tons because of a bad corn crop. In Romania, exports may reach close to 1.5-2 million tons.

During July 1975-June 1976, the United States supplied about half of Eastern Europe's grain imports of 11.8 million tons. It is expected that the United States will maintain this share during the current marketing year. During July-December 1976, the United States exported about 4.6 million tons of grains to Eastern Europe, compared with 3.0 million during the same period in 1975. On December 31, Poland still had \$74 million in outstanding CCC credit for wheat purchases. The United States has a long-term understanding for steady grain exports to Poland and the GDR. (See statements on understandings in appendix.)

The USSR, another major source of East European grain imports, supplied an estimated 3 million tons in 1976/77. Canada has a 3-year agreement with Poland to deliver 750,000 to 1 million tons by 1979. Argentina is committed to sell about a combined 1 million tons to Poland and the GDR during the present marketing year.

Outlook for 1977

Since the 1977 plans call for faster growth of domestic grain than livestock production, grain imports may decline to about 10 million tons, barring extreme weather conditions. The United States may supply about 4-5 million tons. The bulk of East European grain imports is for feed. Rice imports of 270,000 to 300,000 tons annually will be maintained.

Prospects for all fall-sown crops are promising. Soil moisture was adequate for planting and germination was good. Even late-sown grains developed satisfactorily before winter. The area sown in the fall did not change significantly from the previous year. Poland reported a 60,000- to 70,000-hectare increase in winter grains and Czechoslovakia, a 28,000-hectare increase. Yugoslavia, on the other hand, experienced a slight decrease. (Thomas A. Vankai)

Table 1--Grain trade, Eastern Europe, 1971/72-1976/77 1/

: Total 2/		10.2	9.6	9.5	11.0	11.6	15.1		7.4	2.4	4.5	2.8	0.E	3.0		8.5	7.3	4.7	ϥ ۳•	7.7	12.1	
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: Romania		ᡮ.	ς.	9.	1.0	ᡮ.	η.		ņ	0.	φ.	9.	1.0	1.5		г.	9.1	1.2	ᡮ.	9	-1.1	
: Poland	Million metric tons	3.7	2.5	3.7	3.7	5.0	6.9		۲.	α.	.5	۲.	г.	۲.		3.6	2.3	3.2	3.6	4.9	6.8	
Hungary	Million m	9.	1.2	α.	<u>ښ</u>	ᡮ.	α.		α.	г.	2.0	1.7	1.9	i		ᡮ.	1.1	-1.8	7.7	-1.5	۳. ۱	
GDR		2.7	3.5	2.5	т. С	3.4	4.5		<u>ښ</u>	7.	ᡮ.	<u>ښ</u>	<u>ښ</u>	۲.		2.3	3.2	2.1	3.0	3.1	4.4	0 00 00
Czecho- slovakia		2.3	1.4	1.4	1.3	1.6	2.5		1	۲.	000 000	ŀ	i	i		2.2	1.4	7.4	1.3	1.6	2.5	م المريد وال
:Bulgaria		.0.1	٠.	1	1.0		۲.	••	.5			!	η. :		••	η·- :	:	2	1.0	2	:	 So to toro
Year ending June 30		Imports: 1972	1973	197 ⁴	1975	1976	1977 3/	Exports:	1972	1973	1974	1975	1976	1977 3/	Net imports: 4/	1972	1973	1974	1975	1976	1977 3/	1 3 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5

^{-- =} no information reported, negligible, or none.

Source: Foreign Agricultural Service and Economic Research Service

Excluding rice. I FIWINIT

Entries may not add to total because of rounding.

Forecast.

Minus denotes net exports.

RECORD OILSEED PRODUCTION DAMPENS IMPORT PROSPECTS

Total oilseed production in the region was 3.6 million tons in 1976, or 10 percent above the record 1975 level. Acreage rose about 7 percent to nearly 2 million hectares. Most of the production and area increase occurred in rapeseed.

Eastern Europe's rapeseed output hit 1.5 million tons in 1976, or 16 percent above the record crop of 1975. Polish rapeseed production was up 35 percent, reaching a record 983,000 tons. Despite a 20-percent winterkill, acreage was almost 30 percent more than in 1975. Yields were high, since rapeseed ripened before the drought took its toll. Poland's output more than compensated for reductions in Czechoslovakia and East Germany.

Latest reports on sunflowerseed production indicate production of about 1.66 million tons in the southern countries. This is 4 percent above the 1975 total but 8 percent under 1973's record.

Available information indicates that soybean production continued upward in the southern countries, with production up by about 60,000 tons over 1975, to .43 million tons. Romanian production is thought to have rebounded after floods had reduced acreage in 1975, but it is still far short of the record achieved in 1974.

Prospects for Further Increase in 1977

The outlook for 1977 is for oilseed acreage to expand slightly and, if weather enables yields to follow trends, Eastern Europe's production could reach another record level, perhaps over 3.7 million tons. The acreage increase is based largely on Polish rapeseed. Poland raised producer prices for rapeseed by 11.5 percent in July 1976, with the result that planted acreage is around 450,000 hectares. In Yugoslavia, producer prices for sunflowerseeds and soybeans were raised by 5.5 percent in October 1976, and it can be expected that the acreage of both crops will increase slightly.

Soybean acreage is also likely to expand somewhat in 1977 in the other southern countries. However, it is difficult to predict developments after 1977. Statements from Bulgaria and Romania continue to mention self-sufficiency in oilseeds during the 1976-80 period. Hungary, on the other hand, has indicated that corn/soybean price ratios on the world market and yield differentials between the two crops, which can be easily interchanged, will become the critical factor in expanding acreage.

Imports of Oilseeds and Oilseed Products Up

Eastern Europe's imports of oilseeds and products rose significantly in 1976, after having shown little growth in 1975 (tables 2 and 3). Vegetable oil imports alone, however, declined by 50-60.000 tons from 1975's high level. Favorable world oilseed meal/grain price ratios spurred buying of oilseed meal by all countries except Hungary and Bulgaria, where some increase in domestically produced oilseeds, and excellent corn crops brought slight declines. In addition to price, below-trend grain production in 1975 and 1976 was a major stimulus in Czechoslovakia and East Germany, Imports of soybeans and soybean meal were enhanced by CCC credit sales to Romania, Poland, and Yugoslavia, as well as by special trade arrangements between Brazil and some of the countries, notably Poland.

Soybean meal imports are estimated to have grown by 10 percent in 1976, while overall oilseed meal imports grew by about 8 percent. This compares to increases of less than 1 percent for each in 1975. Soybean meal continued to rise as a percentage of all oilseed meal imports. Increased sales were also recorded for Indian peanut meal. For the second year in a row, Brazil exported more soybean meal to Eastern Europe than did the United States. However, combined U.S. sales of soybean meal and soybeans made the United States the leading supplier of soybean products (meal basis) (table 4).

Two-thirds of the increase in Eastern Europe's 1976 oilseed meal imports is attributable to Polish and Yugoslav purchases. Romania's imports of oilseeds for processing into meal also showed strong gains. Both Poland and Romania have been intent on augmenting their supplies and usage of oilseed meals. Despite plans for vegetable protein self-sufficiency by 1980, it appears that Romania decided to go slow on soybean production, largely because of world price developments during 1975-76, and to import meal or soybeans instead. Romania replanted flooded soybean acreage with corn in 1975. Corn area expanded again in 1976, whereas soybean area did not reach pre-1975 levels. In Poland, the commitment to expand meat consumption remained the critical factor and made that country, in 1976, the first in the region to purchase over 1 million tons of oilseed meal in a single year. Yugoslav purchases were up following unusually low domestic production of oilseeds in 1975, general depletion of supplies, and in the expectation of increasing meat exports.

¹Includes rapeseed, sunflowerseed, and soybeans.

2--Estimated oilseed meal imports, Eastern Europe, 1976-77 Table

1977	1,000 metric tons	175	700	825	200	1,100	345	175	3,820
1976	TI.	210	700	006	495	1,050	305	240	3,900
Country		Bulgaria	Czechoslovakia	GDR	Hungary	Poland	Romania	Yugoslavia	Total:

Table 3--Imports of soybean meal and soybeans in meal equivalent, Eastern Europe, 1971-77

1977 3/	125 550 700 410 725 340 150 3,000	NP NP NP NP NP 80 350
1976 2/	160 160 760 760 410 700 3300 3,100	20 50 0 54 181 8
: 1975 1/	ons 178 522 751 427 539 268 140 2,823	44 48 1 16 16 154
: 1974	1,000 metric tons 228 395 718 464 499 226 258 2790 2	19 46 142 16 25 27 248
1973		12 33 0 113 16
1972		15 86 0 76 16 194
1971	62 235 449 244 119 51 121 1331	17 93 40 54 16 36 255
Item	Soybean meal: Bulgaria Czechoslovakia GDR Hungary Poland Yugoslavia Total ½/ Soybeans as meal equivalent: 5/ Bulgaria	Czechoslovakia GDR Hungary Poland Romania Yugoslavia Total 4/

⁼ no information reported, negligible, or none.

⁼ not projected.

Preliminary. Estimated.

Forecast.

Soybean meal extraction rate of 79.5 percent used. Detail may not add to total because of rounding.

Table 4--Sources of imported soybean meal and soybeans in meal equivalent, Eastern Europe, 1971-77

1977 3/		1,525	1,575	200	0	50	3,350	
1976 2/		1,675	1,500	225	0	25	3,425	
1975 1/	ons	1,276	1,382	283	8	33	2,977	
1974	1,000 metric tons	1,572	822	603	33	0	3,038	
1973	1	1,220	405	801	0	0	2,424	
1972		550	542	912	16	0	2,121	
,							2,	
1971		655	260	655	16	0	1,586	
Source		United States	Brazil	Western Europe	PRC	Argentina	Total 4/5/	

Preliminary.

Estimated.

Forecast.

Romanian soybean shipments to Yugoslavia in 1974 have been included in the total but have not been Detail may not add to total because of rounding.

listed separately because of the small amount involved.

In 1976, U.S. CCC credit to Romania for 228,000 tons of soybeans brought sales of soybeans to Eastern Europe to a record of 400,000 tons, despite a decline in Poland's purchases. Poland's large rapeseed crop in 1975 reduced excess crushing capacity. In a new development, soybean purchases were made by Bulgaria in 1976, reportedly 15,000 tons from Brazil.

Regional imports of vegetable oil, as such, may have declined by as much as 50,000 tons, reflecting increased domestic production in Poland and good carryover stocks (based on 1975 imports) in Yugoslavia. Regional net imports of vegetable oil may have shrunk considerably because of a decrease in imports and an increase in exports by Poland.

Declines Expected in 1977 Imports

A small decrease in Eastern Europe's import volume of oilseeds and products is likely for 1977. Oilseed meal imports are likely to decline (table 3). Prospects vary by country, but reasons include a decrease in livestock numbers, greater supplies of domestic oilseed meal, and less favorable oilseed meal/grain price ratios.

In the combined imports of seeds and meal from all sources some switch from meal to seeds is expected. Soybean imports are likely to surpass those of 1976. Indications are that Brazil will supply 200,000 tons of soybeans to the GDR. New crushing capacities may bring Yugoslavia's soybean imports up to 100,000 tons. Soybean imports

by Romania and Poland will probably decrease. In Romania, the excellent 1976 crop exceeded crushing capacity. In Poland, production was just about balanced with capacity following the opening of a rapeseed plant of over 200,000 tons capacity in 1976. Soybean crushing capacities are slated to expand in Romania and Yugoslavia in 1978, and in Bulgaria in 1979, probably bringing another surge in imports, since crushing only domestic soybean production is likely to leave capacity underutilized.

Increased crushing capacity means that Eastern Europe's oilseed import demand will have to be considered in terms of combined soybean meal and soybeans (meal basis). In 1977, combined imports will drop slightly because the expected decrease in Romanian and Bulgarian imports will more than, offset the estimated increase in the GDR.

Also, a decline in regional imports of vegetable oil, as such, is foreshadowed by a decrease in Poland's imports following its record rapeseed crop. Eastern Europe in aggregate appears now to remain a declining market for imported oils. Only Czechoslovakia and the German Democratic Republic are unlikely to cut imports. The other countries are steadily reducing imports, meeting consumption either with increased domestic oilseed production or with imported seeds to utilize new crushing capacities. The region may become a net exporter of vegetable oils by 1980. (Miles J. Lambert)

OTHER CROPS GENERALLY UP IN SOUTH; DOWN IN NORTH

Sugarbeets

While harvested sugarbeet acreage was up 2 percent in Eastern Europe in 1976, sugarbeet production was about the same as the 1975 record. Record sugarbeet output in Romania, Poland, Yugoslavia, and Bulgaria almost compensated for losses of 28 and 24 percent in Czechoslovakia and the GDR, respectively. Sugar content increased in most countries, but dropped in Poland. Calendar year sugar production in the region decreased by less than 5 percent below the 1975 level of 4.94 million tons.

In 1977, sugarbeet acreage is likely to expand again. This expansion will be led by Poland, where acreage is to reach nearly 800,000 hectares by 1980. Yugoslavia hopes to be an exporter of sugar in 1980. Producer prices were raised by 13.7 percent in October 1975 to promote this plan. However, sugar-

beets still face stiff competition from other industrial crops, especially oilseeds. Bulgaria plans to be self-sufficient in sugar by 1980 and will expand acreage in 1977.

Yugoslav sugar imports in 1976 increased by 200,000 tons above those of 1975, while Polish exports increased by about 260,000 tons. The regional outlook for 1977 is for decreased imports, especially by Yugoslavia, and for about the same level of exports as in 1976, with Romanian exports making up for an anticipated drop in sales from Czechoslovakia and Poland.

Potatoes

Potato acreage in Eastern Europe decreased 5 percent in 1976, continuing a 6-year decline. However, record production in Romania and near-record performance in Poland lifted the regional

output 7 percent above that of 1975. Output was still considerably below the average output of the excellent 1972-74 period, mostly because GDR production in 1976 declined 17 percent below the already poor 1975 level. Also, large acreage declines in Czechoslovakia since 1973 prevented production from nearing the earlier levels despite the country's second-best yield achievement to date.

Fruits and Vegetables

Overall production of fruits and vegetables in Eastern Europe in 1976 improved in comparison with 1975's mediocre output, mostly because of the outstanding crop in Romania and Bulgaria. Only plum production in Yugoslavia and vegetable production in Poland detracted notably from a generally good picture. However, market supplies were occasionally tight in the northern countries and Hungary because of periods of drought.

Apple and tomato production in the southern countries was up in 1976 by as much as 12 and 40 percent, respectively. The 41-percent drop in Yugoslav plum production, largely the result of tree disease in 1975, will sharply reduce dried prune production. Yugoslavia's exports of dried prunes in the 1976/77 marketing year are expected to be down to 4,000 tons—one third of the year-earlier level. Grape production increases in Romania, Bulgaria, and Yugoslavia brought regional production up to nearly 5 million tons, 20 percent over 1975. With ample fruit and vegetable supplies to meet local fresh and canned goods consumption, Bulgaria and Romania probably expanded exports significantly, Bulgaria toward the Soviet Union and Romania toward Western Europe.

Bulgaria and Romania plan vigorous production increases in fruit and vegetables during coming years. Concern for exports is equal to interest in improving domestic per capita consumption. Bulgaria will expand vegetable acreage and intensify production of fruit and vegetables. Both countries have rigorous regional specialization plans. Romania also seeks to make each county self-sufficient in vegetables in order to overcome local market shortages which often divert supplies from large cities and exports. Hungary hopes to reverse the declining trend in fruit and vegetable production through price incentives. In January 1977, the producer prices of fruit and vegetables were raised by an average 10 and 15 percent, respectively.

Cotton

Bulgaria, the only significant producer of cotton in Eastern Europe, experienced a drop in cotton production in 1976, perhaps harvesting not much more than 25,000 tons (unginned). Together with Yugoslav and Romanian output, regional production is estimated at 35,000 tons, compared with 41,000 in 1975. Regional acreage in 1976 was near that of 1975, about 37,000 hectares. During the past 2 years, Bulgarian and Yugoslav acreage slipped below previous levels. In Bulgaria, it appears that labor shortages, priority for other crops, and acceptance of a greater reliance on Soviet cotton imports will hasten a two-decade decline in cotton area and production. In Yugoslavia, many farmers have replaced cotton with more profitable tobacco. Romania plans to expand cotton acreage in order to reach a production level of 18-20,000 tons in the 1980's, which compares with 3,000 tons in 1975.

Eastern Europe's cotton imports (ginned) in 1976 probably were slightly below those of 1975. However, with 1974-76 imports averaging about 710,000 tons annually, a new level of usage has been reached. During 1970-73, regional imports averaged only 664,000 tons annually. All countries except Bulgaria contributed to the increase, with Yugoslavia exhibiting the greatest growth in average annual imports. An expected rise in Polish imports in 1977 should raise regional imports above those of 1976.

Soviet cotton accounted for all the increased imports in 1974 and 1975. The small volume of U.S. cotton in this market fell during 1974-76 as sales to Romania and Poland declined. Average annual exports of U.S. cotton were 18,800 tons during that period, compared with 23,400 during 1970-73.

Tobacco

Eastern Europe's 1976 tobacco prouction is estimated at an alltime high of 428,000 tons, reflecting record crops in Romania, Yugoslavia, and Bulgaria. Romanian production alone increased by 23,000 tons. Polish acreage increased by 18 percent following a 30-percent increase in producer prices in August 1975, but unfavorable weather caused a minor decline in production.

Exports from Bulgaria, Yugoslavia, and Poland in 1976 and 1977 should keep regional exports near, if not above, the record 1975 level as stocks of fermented tobacco from the large 1975 and 1976 harvests continue to be sold off. U.S. imports from the region hit 11,000 tons in 1976, the highest level since 1971, with Bulgarian oriental leaf playing a stronger role than in past years.

Tobacco imports by Eastern Europe in 1976 are estimated to be down about 2 percent from 1975. Following excellent domestic production, Bulgarian and Yugoslav requirements in 1976 were down from the relatively high levels of 1975. Poland's imports leveled off. With strong production again in 1976, imports in 1977 are expected to be at about the 1976 level. During 1974-76, the

average annual volume of U.S. tobacco exports to Eastern Europe rose compared with that of 1970-73, but still accounted for less than 5 percent of all Eastern European tobacco imports. No change is expected in 1977. An \$8 million line of CCC credit, covering about 2,000 tons of tobacco, was extended to Poland in November 1976.

Consumption and production measures since 1975 have been altering domestic requirements and the structure of tobacco trade in Eastern Europe. Retail price measures in Yugoslavia and Poland and several anti-smoking regulations in Bulgaria are intended to reduce the gap between consumption and production of large-leaf tobacco. Acreage use in the past 2 years shows a relative

increase in area planted to flue-cured varieties in Bulgaria, Yugoslavia, and Poland. Production results have not yet matched this effort. Instead, recent output shows a rise in the volume and proportion of traditional varieties.

Yugoslavia expects total tobacco production to reach 90,000 tons in 1980, so that country's exports of oriental leaf should increase. Bulgaria plans to maintain an annual total production average of 155-160,000 tons during 1976-80 while expanding cigarette exports to CEMA. Unless CEMA price concessions have been made for Bulgarian agricultural goods, Bulgaria's oriental tobacco exports to CEMA may stagnate while increasing to other markets. (Miles J. Lambert)

LIVESTOCK PERFORMANCE DISAPPOINTING

Poor feed supplies continued to cause difficulties in most of Eastern Europe's livestock sectors in 1976. The rapid increase in livestock numbers between 1970 and 1975 greatly increased feed requirements. Although domestic production and imports of livestock feed have also expanded, the absence of adequate feed reserves remains a major hindrance to sustained livestock expansion.

Because of prolonged dry weather in April 1976 and also during June-July, forage production was well below average, causing livestock feed shortfalls in Czechoslovakia, Hungary, the GDR, and Poland. The seriousness of the feed shortages was evident by Government measures to offset the drought effects. After the winter grains were harvested, farmers in each of the affected countries were urged to collect straw and use it as a base for fodder. In Hungary, the burning of straw was forbidden. Unusually large areas were then replanted with fast-growing catch crops to compensate for inadequate forage crops and poor pasturage. East Germany reportedly sowed the second crop on about 20 percent of its arable land. In some countries, such as Hungary, farmers received free seed to encourage the second planting. In some areas, it was necessary to start feeding hav collected for winter reserves. According to reports, the stocks of roughage held by many producers were lower than after the 1975 harvest. Consequently, the 1977 spring harvest of forage crops and good pasturage will be important because of continued inadequate roughage stocks.

Livestock Expansion Set Back

Most East European countries began 1976 with lowered inventories of major livestock categories.

Plans to expand livestock herds during 1976 were set back because of continued inadequate feed supplies. The drought experienced during 1976 was chiefly responsible for further reductions in livestock numbers by year-end, particularly in the northern countries.

Because of the smaller supplies of forage crops in 1976, there was an earlier than usual switch from roughage to concentrate feeding, resulting in depletion of domestic supplies and higher production costs. Some countries were able to maintain livestock numbers. But in other countries, seasonal slaughter late in 1976 was higher than usual because of the feed shortage.

Hog numbers in the region registered the sharpest decline, and are estimated to have totaled about 63 million head on January 1, 1977, 4 percent below the year earlier level (table 11). The sharpest decline occurred in Poland, the largest pork producer in the region, where hog numbers dropped from 21.6 million on January 1, 1976, to a reported 16.8 million on January 1, 1977. Although the Polish Government has been promoting expansion of swine numbers on state farms, an increase in the socialized sector was more than offset by reductions in the private sector. Bulgaria and the GDR also registered declines in hog numbers.

Total cattle numbers, on the other hand, were nearly maintained during 1976. Inventories were an estimated 38 million head as of January 1, 1977, compared with 38.3 million a year earlier. Increases in Bulgaria, Czechoslovakia, Romania, and Yugoslavia were offset by declines in the GDR, Hungary, and Poland. Sheep numbers in the region increased slightly. It appears that expansion of poultry numbers continued during 1976, increasing about 5 percent.

All of the East European countries plan to rebuild livestock numbers during 1977, particularly hogs and cattle. The Polish Government, in an effort to boost the livestock economy and satisfy the market demand for meat, raised purchase prices paid to farmers last July. The price of fattened meat hogs, cattle for butchering, breeding stock, and poultry increased an average 19 to 24 percent. To encourage an increase in the number of pigs, the purchase price for delivery of pigs and piglets was raised 25-27 percent in August. As a result of the shortage of pork in Yugoslavia last summer and because of the country's efforts to rebuild hog inventories to early 1975 levels, the Government increased the purchase price to hog producers by 15 percent last October. While these price increases may improve future meat production capabilities, they are expected to result in additional belt tightening during 1977 as far as meat consumers are concerned, since farmers are likely to withhold some animals for additional fattening and rebuild livestock inventories.

Meat Production Off in 1976

Total meat production in Eastern Europe declined slightly in 1976 to an estimated 10.7 million tons (carcass weight), which compares with 10.9 million in 1975 (table 12). Pork production, which has accounted for about three-fifths of total meat production in recent years, dropped 6 percent, more than offsetting gains in poultry, beef and mutton production. Poultry meat output registered the largest gain during 1976, increasing about a tenth. Beef and veal output in the region remained near 1975 levels.

Romania and Bulgaria were the only East European countries with an increase in total meat production. Declines occurred in Czechoslovakia, the GDR, Hungary, Poland, and Yugoslavia.

Because of the expansion of the East European livestock sector in the early 1970's, exports of meat and meat products increased sharply during 1974 and 1975. In 1975, exports totaled nearly 900,000 tons, compared with about 650,000 in 1971.

During 1976, however, the drop in meat output greatly curbed exports from Hungary and Poland, the two leading exporting countries. Official data for January-November indicate total Hungarian exports of slaughter cattle, hogs, and sheep were down about 30 percent, and Poland's fresh meat exports were down nearly 50 percent, from the same period a year earlier. The improving market for baby beef, on the other hand, helped increase Yugoslavia's exports.

To earn hard-currency and maintain their established markets in the West, the East Euro-

pean countries increased their exports of processed meat products moderately, despite shortages at home. For example, Poland's total exports of canned hams during January-November 1976 increased 6 percent over the same period a year earlier.

The United States imported nearly 65,000 tons of meat and meat products from Eastern Europe during 1976, one-tenth more than in 1975. Poland accounted for nearly 60 percent of this 1976 total, with a quantity at the level of 1975, when it had a 65 percent share. Because of higher prices, the value of U.S. imports of meat and meat products from Eastern Europe increased 26 percent during 1976 to \$206 million.

While fresh and frozen meat exports from Eastern Europe were curbed during 1976, imports appeared to have increased to help fill in the gaps of domestic meat production. Official data are not currently available, but Poland appears to have increased its beef import volume during 1976. Last summer, Yugoslavia allowed imports of pork and poultry meat from Romania to help meet domestic requirements.

In anticipation of meat shortages in 1977, Poland emerged as a buyer of substantial quantities of red meat from Western suppliers. By early January 1977, Poland's red meat purchases amounted to 54,000 tons of boneless beef. These purchases were primarily from Australia, New Zealand, and Argentina for delivery in the first half of 1977. Polish sources indicate Poland may import about 100,000 tons of meat in 1977. Other countries in the region are reportedly interested in buying a total of 30,000 to 60,000 tons of Australian beef.

Despite imports of meat in 1977, total meat supplies in Eastern Europe are not likely to increase significantly during the year.

Slight Increase in Dairy and Egg Output

Milk production in 1976, at an estimated 42 million tons, was up 2 percent from 1975. At a time when dairy cow numbers declined, the increased output was due to improved production per cow. Poland, the largest East European producer, increased milk output by nearly 4 percent. Production in Hungary and Romania also increased.

In 1976, Hungary continued its ambitious program to upgrade the performance of its dairy herd by importing breeding stock, largely Holstein-Friesian heifers. The program was initiated in 1972, and during 1972-75, Hungary imported 20,573 breeding stock, of which the United States supplied about 60 percent. There was an important change in 1976, when the bulk of Hol-

stein-Friesians came from Western Europe. Hungary was able to buy Holstein cows in Europe at about 60 percent of the price of U.S. cows. While producing less milk than U.S. cows, these European Holsteins could still improve the Hungarian dairy herd. The poor grain crop and forage situation in Western Europe was chiefly responsible

for the lower prices, as well as Government subsidies to export unneeded animals.

Egg production in Eastern Europe rose slightly during 1976. Increases in Bulgaria, Romania, and Yugoslavia offset declines in Czechoslovakia, the GDR, Hungary, and Poland. (Andrew A. Duymovic)

SATISFYING CONSUMER DEMAND FOR FOOD A MAJOR CONCERN

Eastern Europe's policy of stimulating increases in disposable personal income and stabilizing the retail prices for staple food such as meats, flours, and sugar, despite rising costs of production, has resulted in disequilibrium between supply and demand of those products. Higher income, fixed prices, and supply difficulties caused by drought have led to sporadic shortages in the markets in meats, sugar, vegetables, and fruit, particularly in Czechoslovakia and Poland. Consequently, the respective Governments have been forced to channel more funds into imports and into subsidizing the artificially low retail prices.

Per capita real income growth was faster than planned in every country of the region except Yugoslavia during 1971-75. Because of the close relationship between income and demand for meat, per capita consumption of meat increased simultaneously with disposable income (table 5). Between 1970 and 1975, consumption increased the most in Romania, by 20 kilograms, followed by 17 kilograms in Poland. Both income and consumption growth slowed down somewhat in 1976.

Poland has had the most serious difficulty in satisfying demand for meat, because in the past 3 years, agricultural output has been below trend and livestock inventories have declined steeply. In 1976, in trying to satisfy demand, the Polish Government stepped up meat imports and reduced meat exports. To dampen demand, the Government attempted to raise some prices, but it ran into serious resistance and withdrew the proposed increases. The price increases proposed by the Polish Government ranged between 30 percent for poultry and 100 percent for pork. The meat price increases would have averaged 69 percent.

The vacillation of the Polish Government in formulating a firm retail price policy in 1976 resulted in hoarding of nonperishable foods-particularly processed meats, sugar, and flour. The situation improved after the rationing of sugar and the appointment of five economic advisory

committees with 1-year terms. One of the committees has been delegated to make recommendations on a retail price policy. This action provided evidence that decisions on prices had been postponed for at least for 1 year. The Polish Government's remedial actions, besides stepping up meat imports and reducing exports, included permitting free market prices of meat to exceed fixed official prices by 40 percent. Another remedial measure, mentioned above, was to increase livestock producer prices in July to stimulate production in 1977.

Hungary, Romania, and Yugoslavia also raised retail prices and diverted meat from the export to the domestic market. Romania succeeded in increasing the market supply of meats by 17 percent and of processed meats, by 22 percent. The price increases in Hungary, while substantial, were less steep than those proposed in Poland and the Hungarian population was warned more than half a year in advance. The following retail price increases became effective in Hungary in July 1976: veal, 59 percent; beef, 41 percent; pork, 40 percent; poultry, 22 percent; and processed meats, 26 percent.

After the price increases in Hungary, sales increased for cheaper cuts of meats, processed meats, and poultry, while demand declined for pork. Per capita poultry consumption reached about 16 kilograms, the highest in Europe. The price increases are estimated to have reversed meat consumption from a 5-percent gain in the first half of the year, to a 4-percent decline in the second half. This measure helped Hungary reduce, considerably, the budget outlays for retail price subsidies. In Yugoslavia, despite previous price increases, a serious meat shortage developed, which had been foreshadowed by the reduced livestock inventory at the beginning of 1976.

Retail price increases in Hungary and the attempted increases in Poland made the Czechoslovak consumers jittery and food hoarding began there also. The drought and dim harvest outlook added to the concern which existed

Table 5--Growth in per capita income and meat consumption, Eastern Europe, 1970, 1975, and 1980 plans

:Yugoslavia		9	31 (46) NA
Romania		2/46 2/37	(35) (55) NA
Poland		1/40 3/18	53 70 79-81
Hungary	Percent	$\frac{1}{2}/26$	58 68 76-78
GDR		27	66 78 82-84
Czecho- slovakia		28 2 3- 25	71 88
Bulgaria		1/32.4	41 57 75
Category and	Real income	per capita: 1971-75	Meat consumption per capita: 1970 1975

() = Estimates.

NA = Not available. $\frac{1}{2}$ / 1975/70. $\frac{2}{3}$ / Gross income of population. $\frac{2}{3}$ / 1980/75.

Source: Revista Economica #11, March 19, 1976.

among the Czechoslovakian population about their Government's ability to market adequate food.

After reassurances were given on price stability, the hoarding abated, both in Czechoslovakia and Poland, and the population got used to the sporadic shortages of certain types or cuts of meat.

In the GDR, market supplies of livestock products, with the exception of poultry, also dropped, according to data available for the first 9 months of 1976. The decline in meat supplies was 2 percent, with a 3-percent drop in pork being offset by an 11-percent increase in poultry.

In the northern countries and Hungary, the drought reduced potato, vegetable, and fruit supplies. Free market prices of these products rose significantly. Prices of fruits and vegetables also increased in Government outlets. But the Polish Government decreed that free market prices cannot be higher than Government list prices.

In Czechoslovakia, individual potato purchasing has been limited to 50 kilograms since October. Potatoes are in short supply, not only in Czechoslovakia, but in all neighboring countries,

which has made it difficult to improve supply through imports. Hungary announced a 17-percent price increase, effective January 1977, on canned fruit and vegetables and a 26-percent increase on frozen fruits and vegetables. Fresh potato and vegetable prices have been up by 25 to 30 percent.

The GDR is trying to improve its food distribution system through permitting the opening of private shops. After the steady decline in private ownership for 10 years, small butcher shops, bakeries, and so forth, reappeared in 1976.

Even in the countries where official food price indexes are stable, the actual cost of all food consumed increased in 1976. The indexes do not include free market prices, and higher prices of new products are not included among the items making up the index.

In the northern countries and Hungary, as an aftermath of the harvest shortfall, 1977 per capita meat consumption may stagnate at the 1976 level, or even decline; and vegetable and fruit supplies are not expected to improve until new crops appear on the market. In the southern countries, food supplies in 1977 are expected to increase. (Thomas A. Vankai)

TRADE DEFICITS REMAIN LARGE

Mounting External Debts

The leading question of 1976 with regard to total East European trade was the level of debt accumulated through Western financing of their purchases of goods and licenses. Estimates varied, but the cumulative hard currency debt was at least \$27 billion for these nations (including Yugoslavia) at the end of 1976, compared with at least \$21 billion at the end of 1975. Poland and the GDR accumulated the largest debts. Borrowing arrangements vary by country, but include supplier's credits, project credits from commercial banks which include buy-back provisions, and straight financial loans.

The external debt situation evoked a number of concerns in the West. At one extreme, some analysts still saw very good opportunities for using idle Western capital and an increasing, permanent linking of the CEMA economies to world trade. On the other hand, some felt that further extension of credit to the CEMA countries would leave the West open to the threat of default.

Western financial circles have tended to regard the Soviet Union, because of its great raw material and energy reserves, as the ultimate guarantor of East European debt. The mounting debt, however, has caused most observers to believe that a more careful application of normal economic criteria in extending loans and credits is necessary. Western banks have begun to differentiate among the countries according to their credit worthiness. Thus, a potential creditor's assessment of the East European country's request would first consider the ratio between annual export earnings and the amount of principal and interest due.

Decreased Deficit in Total Trade

With data available from all countries except the GDR, it appears that the region's total trade deficit was about \$7 billion in 1976, compared with \$8.2 billion in 1975. Bulgaria reduced its trade deficit by 72 percent and Hungary by 35 percent. Yugoslavia cut its trade deficit by \$1.2 billion. Romania achieved a small surplus. In contrast, Czechoslovakia and Poland each increased their deficits by about 25 percent. Eastern Europe's total hard-currency trade deficit in 1975 was estimated by Western sources at about \$5.7 billion. In 1976, all countries except Czechoslovakia and Poland improved their trade bal-

ance with market countries, mostly because of substantially improved balances with West Germany.

Agricultural Trade Deficits

Despite the overall improvement in the trade balance, there are indications that Eastern Europe's deficit in agricultural trade increased as grain and oilseed meal imports reached record levels in the northern countries and exports of grain from the southern countries fell off. At the same time, increased meat exports by the southern countries were offset by increased Polish imports and curtailed exports of Polish meat and Hungarian poultry meat. Full data on agricultural trade are not available yet.

Record sales of U.S. grain in 1976 brought total U.S. agricultural exports to Eastern Europe, adjusted for transshipments, to a record \$1.3 billion. Of this, \$887 million was in grains and \$218 million was in soybean meal (table 14). During 1975-76 the value of transshipments through West European ports increased as a percentage of total U.S. sales to Eastern Europe, a situation reflecting some weakness in CEMA maritime facilities. In 1976, transshipments were valued at about \$387 million.

CCC credit sales to Eastern Europe were at an alltime high in 1976, increasing to about \$158 million, more than twice the previous high in 1972. All CCC credit sales in 1976 were granted to Poland and Romania, with Poland's share being 75 percent. Grain accounted for 57 percent of the CCC sales, and soybeans and soybean products, for 32 percent.

U.S. agricultural imports from Eastern Europe totaled \$275 million (table 15). Eastern Europe's agricultural trade balance with the United States deteriorated by 28 percent compared with that of 1975, despite better terms of trade for East Europe

In 1976, unit prices for several U.S. agricultural exports to Eastern Europe were less favorable than in 1975. Soybean meal unit prices were up by about 6 percent, but wheat prices declined by 12 percent, corn by 11 percent, and sorghum by 4 percent. In comparison, unit prices for meat and tobacco, the chief U.S. imports from the region, increased by about 14 and 28 percent, respectively. Large volume increases more than compensated for the decline in U.S. terms of trade. The volume of grain sales increased by 53 percent and soybean meal by 17 percent. On the other hand, the volume of meat and tobacco imports from Eastern Europe rose much less than did the unit prices. (Miles J. Lambert)

AMBITIOUS AGRICULTURAL PLANS FOR 1976-80

Agricultural growth plans for 1976-80 vary from 2.7 percent in Czechoslovakia to 5-5.5 percent in Romania. Planned growth rates are somewhat slower than achieved between 1966-70 and 1971-75 in Hungary and Poland, the same in Czechoslovakia, and faster in the other four countries (table 6).

With the probable exception of Bulgaria and Romania, which have not published sectoral growth plans, the crop sector is slated to grow faster than the livestock sector in Eastern Europe. This is a policy change caused by the difficulty in exporting meat to the European Community and by the inability or unwillingness of the USSR to continue to sell grains to Eastern Europe on a regular basis. Soviet grain exports to the GDR and Poland have been resumed, however, during 1976/77, facilitated by the record Soviet grain harvest and compelled by the precarious hard-currency shortage in those countries.

Each East European country is striving for early self-sufficiency in temperate-zone food products, but in some countries, the 1976 drought caused temporary setbacks. Among the grain deficit countries of Czechoslovakia, GDR, and Poland, only Czechoslovakia would appear to have a chance to achieve grain self-sufficiency in this decade. The two other countries are likely to just manage to reduce the size of imports. Under normal weather conditions, the four Southern countries will expand their grain exports. However, none of the countries will produce adequate protein feed to satisfy their growing mixed feed industry. At present, protein has a less-than-optimal share in the feed rations; consequently, imports of protein-rich feeds may grow even if domestic production increases. Czechoslovakia is the only net importer of meats, being 95 percent self-sufficient. It will likely remain in this position if per capita meat consumption increases as planned.

According to the plans, annual average grain production in Eastern Europe should be between 106 and 110 million tons during 1976-80. This compares with 87 million tons during 1971-75 and with over 93 million tons in 1976—the first year

Table 6--Average annual growth rates in gross agricultural production, Eastern Europe, 1971-75, 1976, and plans for 1977 and 1976-80

Country :	1966-70 to 1971-75	:	1975 to 1976	:	1976 to 1977	:	1971-75 to 1976-80
:			<u>F</u>	Percent	<u> </u>		
Bulgaria	2.7 2.1 3.4 3.7 4.6		3.1 -2.7 -9.8 -3 -0.8 17.2	:	4 8.2 2.8 7-8 5.3 10.9-13.6	3	3.7 2.7 3.4 3.2 3-3.5 5-5.5

of the new plan period. Output of oilseed products is planned to average 4 million tons a year, compared with the record 3.6 million tons in 1976. Sugarbeet production plans call for 60 million tons of output annually, compared with 40 million tons in 1971-75. The most moderate expansion plans for meat production are in Hungary—12 to 13 percent growth targeted—where per capita production level is the highest. In contrast, the most ambitious plan, calling for a 55 to 63 percent increase, is in Romania, where per capita consumption is one of the lowest in the region.

Each country is taking specific measures to fulfill its plans, as they are in various development stages and are endowed with different resource bases. Fertilizer use may increase by only 11 percent in the GDR, where the supply in 1976 was close to 400 kilograms per hectare of cultivated land. Romania, however, intends to triple its fertilizer use from an average of 76 kilograms during 1971-75. Land improvement, including irrigation and drainage, will continue in each of the countries. In Czechoslovakia and the GDR. where labor is in short supply, great emphasis will be put on mechanization to replace labor as well as improve productivity through timely cultivation and harvest, therefore reducing losses. Production specialization in enlarged units, particularly in the GDR, is being promoted to further efficiency. Hungary continues to increase the number of farms participating in uniform production systems, but at a slower pace than in previous years because of inadequate funds for the purchase of new machinery. Bulgaria is experimenting with reorganizational innovations and hopes that a centralized management in a

National Agri-Industrial Complex will lead to better resource allocation.

In addition to improving the productivity of land in all countries, new higher yielding and more pest- and disease-resistant crop varieties will be introduced. Livestock productivity will be improved through new breeds and cross-breeding. Labor productivity will be increased with the help of new technology.

In Poland and Yugoslavia, where private land ownership predominates, a slow shift toward socialization is continuing. Poland promotes voluntary cooperation of farmers by offering financial incentives, and the state is taking over land from elderly owners in exchange for pensions. In Yugoslavia, many individual farmers are contracting their products with the large "combinats"—horizontally and vertically integrated state farms—if they are in the vicinity. These, in turn, are providing various services, such as seeds, fertilizer, machinery, and marketing.

Producer price increases are also used as production incentives, particularly in Hungary, Poland, and Yugoslavia, where the profit motive is an important factor in managerial decisionmaking.

After the dismal harvest in 1976, it is not expected that the northern countries in the region will stage a complete recovery in 1977 back to the growth path set by the plans. It will take several years to replenish the livestock inventories and rebuild grain reserves. Estimated 1976 results and agricultural gross production growth plans for 1977 are given in table 6.

As a consequence of the production declines in the northern countries in 1976, together with the relatively modest planned increases for inputs, some of the 1976-80 targets will be beyond reach. In Romania, past underfulfillments of plans make it doubtful that the ambitious goals will be met during the present plan period. (Thomas A. Van-kai)

APPENDIX

Press Release on the Understanding on Grain Trade Between the United States and Poland, November 17, 1975

U.S. Secretary of Agriculture Earl L. Butz and Minister of Agriculture of Poland Kazimierz Barcikowski reached an understanding today on long-term objectives in grain trade between the United States and Poland. Secretary Butz and Minister Barcikowski said their understanding reaffirmed the principles set forth in the U.S.-Polish Joint Statement on Development of Agricultural Trade which was signed during the visit to the United States of First Secretary of the Central Committee of the Polish United Workers Party Edward Gierek in October 1974.

The understanding, expressed in an exchange of letters, grew out of earlier meetings between Secretary Butz and Minister Barcikowski during the Minister's September visit to the U.S. Further discussions on long-term grain purchases by Poland were held during the fifth session of the American-Polish Trade Commission which met in Warsaw October 6-8, 1975.

In his conversations with Secretary Butz, Minister Barcikowski stated Poland's intentions to buy 2.5 million metric tons of grain from the United States annually for at least the next five years, assuming that the quality offered and the delivery dates will be acceptable to the Polish side, and that the price level will not deviate from the world market prices. He said that actual purchases in any given year could fluctuate by as much as 20 percent from the 2.5 million metric ton figure. Minister Barcikowski also provided Secretary Butz with an estimated breakdown of the 2.5 million metric tons by commodity for the current marketing year.

Secretary Butz expressed his appreciation for the clear indication Minister Barcikowski had given American farmers regarding Poland's future import intentions.

The United States recognizes Poland as a traditional importer of U.S. agricultural products and values Poland as an agricultural market. Referring to the October 8, 1974 Joint Statement, the Secretary said that the United States reaffirms its full intention to meet Poland's present and future import demand, subject to sup-

ply availabilities. The Secretary said that the import plans now being provided by Poland, including Poland's expression of its intention to purchase 2.5 million metric tons of grain, annually from the United States are the best way to assure that supplies will be available for purchase from the United States. The Secretary also said that the United States recognizes Poland as a traditional and valuable CCC credit customer and will continue to accord appropriate consideration to Poland's future applications for CCC credit.

The Secretary and Minister noted that actual annual trade figures will be discussed in periodic consultations between officials of the appropriate Polish Government agencies and the U.S. Department of Agriculture. Secretary Butz and Minister Barcikowski both reaffirmed the interest of their countries in expanding agricultural trade and cooperation in accordance with the Joint Statement and stated their belief that the understanding they had reached will facilitate the stabilization and continued growth of agricultural trade between the United States and Poland.

Press Release on the Exchange of Views on Prospects for Trade in Grains Between the United States and the GDR, November 10, 1976

U.S.-German Democratic Republic Meet on Long-Term Agricultural Trade

Washington, Nov. 10—Richard E. Bell, Assistant Secretary of Agriculture for International Affairs and Commodity Programs, and Dr. Gerhard Beil, State Secretary of the Ministry of Foreign Trade for the German Democratic Republic (GDR), met Nov. 9 to exchange views on prospects for the development of trade in grains and discussions of various aspects of the grain trading systems of the two countries.

During the discussions, State Secretary Beil said that in recent years GDR imports of grain from the United States have increased considerably. The GDR imports grain and feed primarily to maintain its large animal numbers and meat production.

Dr. Beil expressed an interest in continuing purchases of grain on the U.S. market and said that the German Democratic Republic looks to the United States to supply a substantial share of its annual grain import needs. He said the GDR's annual requirements for U.S. grains are expected to be 1.5 million to 2.0 million metric tons of grain.

Assistant Secretary Bell expressed appreciation on behalf of the Department of Agriculture and America's farmers for the clear indication of the GDR's import requirements and said the U.S. fully expects to be able to meet the GDR's grain import requirements. Mr. Bell said that regular consultations will provide information on supply, demand and trade between the United States and the GDR, and will enable U.S. farmers to plan production with greater assurance that there will be sufficient demand for the commodities they produce.

Assistant Secretary Bell said the United States values the German Democratic Republic as an agricultural market. In fiscal year 1976, ending June 30, the German Democratic Republic bought about 2.5 million tons of U.S. grain. He noted that U.S. grain exports to the GDR have increased substantially in recent years, and that regular consultations in the future would facilitate a further expansion of this trade.

Dr. Beil was accompanied on his visit to USDA by Manfred Wolf, Director General of Nahrung-Export-Import, the GDR Foreign Trade Enterprise for Agricultural Products; Horst Bergemann, Director of Grain Division, Nahrung-Export-Import; and by Dr. Fritz Schmied, Ministry of Foreign Trade. Ambassador-Professor Dr. Rolf Sieber and First Secretary Dieter Rothe of the Embassy of the German Democratic Republic in Washington also participated in the discussion with Assistant Secretary Bell.

In addition to Assistant Secretary Bell, U.S. delegation for the talks included John Ferch, director of Office of Food Policy, Department of State; Hazan Gale, Director, Office of Raw Materials and Ocean Policy, Department of Treasury; and, from the Department of Agriculture, Donald Novotny, Charles Pence, Roger Neetz, and Kenneth Murray.

Assistant Secretary Bell and State Secretary Beil both reaffirmed the interest of their countries in expanding agricultural trade and stated their belief that the informal understanding they had reached will facilitate the continuation and growth of agricultural trade between the United States and the GDR.

Dr. Beil and Mr. Bell agreed that such talks have been very useful and both sides indicated their intention to hold similar consultations in the future on a regular basis.

Dr. Beil's party met with Secretary of Agriculture John A. Knebel, and plans to visit farms in the Washington area and to make calls on senior officials of the U.S. Departments of Commerce and State.

Table 7--Area of grains, Eastern Europe, annual 1971-76 $\underline{1}/$

Commodity : and :		Czecho- slovakia		Hungary	Poland	: Romania	: Yugoslavia :	Total Easter
year :		•		1 000 h		•		<u> </u>
				1,000 he	ctares			
neat :			2					
1971:	1,013	1,103	633	1,273	2,060	2,501	1,929	10,512
1972:	961	1,197	690	1,317	2,048	2,523	1,924	10,660
1973:	934	1,235	696	1,294	1,962	2,358	1,697	10,176
1974:	861	1,276	728	1,324	2,022	2,389	1,842	10,44
1975:	819	1,183	688	1,251	1,842	2,346	1,615	9,74
1976	795	1,278	790	1,325	1,832	2,388	1,723	10,13
ye :								
1971:	19	234	668	127	3,711	48	110	4,91
1972	17	232	646	119	3,543	42	104	4,70
1973:	16	225	646	107	3,416	34	96	4,54
1974:	15	219	637	106	3,138	(40)	91	4,24
1975:	17	191	593	104	2,792	(40)	84	3,82
1976	15	187	620	93	2,934	(40)	76	3,96
arley :								
1971	434	851	656	298	899	330	280	3,74
1972:	446	854	618	291	1,016	327	290	3,84
1973:	458	873	692	287	1,083	315	328	4,03
1974:	477	867	779	271	1,230	402	330	4,35
1975:	575	980	929	257	1,335	442	360	4,87
1976	530	857	780	229	1,210	410	293	4,30
ats :								
1971	75	344	230	45	1,330	128	265	2,40
1972	65	323	247	48	1,359	121	256	2,41
1973:	46	278	238	37	1,271	105	251	2,22
1974:	47	226	222	33	1,182	85	249	2,04
1975:	50	221	243	45	1,291	70	270	2,19
1976	50	200	230	39	1,115	67	232	1,93
orn :								
1971	655	142	3	1,321	5	3,131	2,422	7,67
1972	689	148	9	1,392	5 6	3,196	2,383	7,82
1973	627	169	1	1,461	4 .	2,957	2,377	7,59
1974:	523	167	1	1,461	5	2,963	2,256	7,37
1975:	652	158		1,413	15	3,305	2,363	7,90
1976:	685	204	1	1,341	50	2/3,400	2,372	8,05
ice :								
1971	17			26		28	8	7
1972	15			28		27	7	7
1973	16			27		23	7	7
1974:	17			28		23	7	7
1975	16			27		22	ė.	7
1976:	16			27		20	8	7
then coords mains 3/								
ther coarse grains <u>3</u> /: 1971	1		132		447	2	18	60
1972	1		120		513	2	14	65
	1	1	101		514	3	15	63
1973 · · · · · · · · · · · · · · · · · · ·	1		76	12	531	1	10	63
1975			58	8	589	15	9	67
1976			100	14	625	2/	7	
1710			100	14	02)	<i>=</i>		74
otal grain :								
1971:	2,214	2,674	2,322	3,090	8,452	6,168	5,032	29,95 30,17
1972:	2,194	2,754	2,330	3,195	8,485	6,238	4,978	
1973:	2,095	2,781	2,377	3,213	8,250	5,793	4,771	29,28 29,16
1974:	1,940	2,755	2,443	3,235	8,108	5 ,9 03	4,785	29,16
3.075	2,135	2,733	2,511	3,105	7,864	6,240	4,709	29,29
1975: 1976:	2,066	2,726	2,521		7,766		4,711	

^{() =} Estimates.

 ^{1/ 1976} data are preliminary.
 2/ Unspecified amount of sorghum included in corn.
 3/ Includes buckwheat, millet, spelt, mixed grains, and sorghum.

Table 8--Production of grains, Eastern Europe, annual 1971-76 $\underline{1}/$

Commodity : and : year :	Bulgaria	Czecho- slovakia	GDR	Hungary	Poland	: Romania	: Yugoslavia	
; ;				1,000 met	tric tons			
Wheat 1971 1972 1973 1974 1975 1976	3,582 3,258 2,911 2,771	3,878 4,017 4,646 5,059 4,202 4,800	2,490 2,744 2,861 3,154 2,736 2,900	3,915 4,089 4,498 4,968 4,005 5,138	5,456 5,174 5,807 6,409 5,207 5,740	5,595 6,041 5,487 4,999 4,862 6,729	5,604 4,843 4,750 6,282 4,404 5,980	30,033 30,490 31,307 33,782 28,187 34,397
Rye 1971 1972 1973 1974 1975	21 19 21 18	619 63 ¹ 4 690 671 530 800	1,754 1,904 1,699 1,949 1,563	180 171 175 175 147 156	7,827 8,149 8,268 7,881 6,270 6,914	65 58 42 (50) (50) (50)	134 120 118 120 98 105	10,603 11,057 11,011 10,867 8,676 9,545
Barley 1971 1972 1973 1973 1974 1975	1,427 1,368 1,636 1,699	2,851 2,651 2,962 3,375 3,114 2,740	2,286 2,592 2,848 3,422 3,682 2,700	782 802 871 894 699 750	2,450 2,750 3,158 3,908 3,638 3,609	789 838 730 916 952 1,220	464 487 676 794 703 653	10,875 11,547 12,613 14,945 14,487
0ats 1971 1972 1973 1974 1975 1976	75 51 67 56	902 726 740 687 591 400	807 890 805 922 780 670	85 60 67 78 87 86	3,195 3,212 3,220 3,244 2,920 2,696	161 111 102 91 57 48	312 260 298 353 368 320	5,564 5,334 5,283 5,442 4,859 4,280
Corn 1971 1972 1973 1974 1975 1976	2,974 2,586 1,627 2,822	524 642 619 574 843 580	9 27 13 3 2	4,674 5,537 5,911 6,195 7,088 5,184	13 10 13 19 79 220	7,850 9,817 7,397 7,440 9,241 <u>2</u> /11,707	9,443 7,930 8,253 8,031 9,389 9,112	23,031 26,937 24,792 23,889 29,364 29,805
Rice 1971 1972 1973 1974 1975 1976	: 47 : 62 : 60 : 70	 	 	67 61 69 56 69 34	==	66 45 50 53 68 65	36 31 32 31 37 28	236 184 213 200 244 197
Other coarse grains 3/ 1971	1 1 80	 	394 379 276 254 148 230	 24 13	929 1,140 1,392 1,516 1,443 1,658	2 3 3 2 36 <u>2</u> /	18 15 15 13 11 10	1,344 1,538 1,766 1,809 1,651 1,943
Total grain 1971 1972 1973 1974 1975 1976	8,127 7,403 6,322 7,436	8,774 8,670 9,657 10,366 9,280 9,320	7,740 8,536 8,503 9,704 8,911 8,002	9,703 10,720 11,591 12,390 12,108 11,393	19,870 20,435 21,858 22,977 19,557 20,837	14,528 16,913 13,811 13,551 15,266 19,819	14,011 13,686 14,142 15,624 15,010 16,208	81,686 87,087 86,965 90,934 87,568 93,639

^{--- =} No information reported, negligible, or none.

() = Estimates.
1976 data are preliminary.
2/ Unspecified amount of sorghum included in corn.
3/ Includes buckwheat, millet, spelt, mixed grains, and sorghum.

Table 9--Area of selected crops, Eastern Europe, annual 1971-76 $\underline{1}/$

Commodity : and : year :	Bulgaria	Czecho- slovakia	GDR	: Hungary		: Romania	: : Yugoslavia :	Total Eastern Europe
:				1,000 h	ectares			
Potatoes	29 30 27 31 30 30	332 322 305 280 251 240	658 646 650 635 574 566	129 118 106 108 100 90	2,669 2,656 2,678 2,684 2,581 2,466	290 296 284 295 289 248	326 315 317 321 314 305	4,433 4,383 4,367 4,354 4,139 3,945
Sugarbeets	44 55 60 61 78 70	185 187 197 205 217 214	211 222 229 234 266 270	73 79 92 98 127 129	421 438 445 440 496 550	178 197 234 218 247 236	85 79 86 104 108 107	1,197 1,257 1,343 1,360 1,539 1,576
Sunflowerseed	267 274 252 262 238 255	3 4 3 4	- <u>-</u> - 	118 108 103 113 129 135	 	548 554 512 509 511 500	183 171 224 201 194 174	1,119 1,111 1,095 1,088 1,076
Rapeseed	== == ==	52 53 57 45 63	104 111 122 123 132 128	44 50 50 33 46 50	362 276 315 258 309 398	 13 13 12	9 9 5 5 7 11	571 499 549 477 570 662
Soybeans 1971 1972 1973 1974 1975 1976	18 14 19 <u>2</u> /28 <u>2</u> /37 53	= = = =	 	 14 25 36	 	147 109 183 238 121 125	5 4 9 9 14 32	170 127 211 289 197 246
Tobacco : 1971 : 1972 : 1973 : 1974 : 1975 : 1976 :	115 122 119 123 127 128	† † † † †	3 3 3 3 3	14 15 17 17 16 11	42 46 48 52 50	33 39 52 53 57 60	49 57 57 57 61 69	260 286 300 309 318 334

^{-- =} No information reported, negligible, or none.

^{1/ 1976} data are preliminary. 2/ Derived figures.

Table 10--Production of selected crops, Eastern Europe, annual 1971-76 $\underline{1}/$

Commodity : and : year :	Bulgaria	Czecho- slovakia	GDR	: Hungary	: Poland		: Yugoslavia :	Total Eastern Europe
year :		············		-				
:				1,000 me	tric tons			
Potatoes :						0-		
1971	404 382	4,621 5,058	9,411 12,140	1,488	39,801 48,735	3,783 3,672	2,952 2,406	62,460 73,703
1972 1973:	328	5,087	11,401	1,163	51,928	2,644	2,974	75,525
1974	345	4,522	13,404	1,364	48,519	4,119	3,127	75,400
1975	318	3,565	7,673	1,268	46,429	2,716	2,394	64,363
1976:	350	4,636	6,400	1,060	50,012	4,200	2,690	68,742
Sugarbeets :								
1971:	1,516	5,832	5,128	2,023	12,557	3,975	2,961	33,992
1972:	1,951	6,884	7,223	2,908	14,341	5,581	3,274	42,162
1973:	1,719	6,163	6,682	2,752	13,664	4,380	3,338	38,698
1974	1,611	8,219	6,959	3,707	12,971	4,947	4,300	42,714
1975 1976:	1,758 2,280	7,73 ⁴ 5,600	6,414 4,860	4,089	15,707 16,258	4,905 7,000	4,213 4,707	44,820 44.628
1970:	2,200	5,000	4,000	3,923	10,200	1,000	4,101	44,020
Sunflowerseed :							,	
1971		5		149		791	347	1,754
1972: 1973:	494 448	6 7		132 152		850 756	277 434	1,759 1,797
1974	368	4		120		681	298	1,471
1975		5		154		728	272	1,585
1976:	355	7		165		806	324	1,657
Rapeseed :								
1971:		101	197	71	595		18	982
1972:		107	234	52	430		14	837
1973		117	246	68	512		8	951
1974		94	298	45	523	16	12 14	988
1975 1976:		131 131	363 310	65 61	726 983	17 18	23	1,316 1,526
1910		101	210	01	903	10	25	1,520
Soybeans :	- 4						,	- 0-
1971						165	4 6	181
1972 1973:	<u>2</u> /12 2/30					186 244	13	204 287
1974:				15		298	14	359
1975:				41		213	30	364
1976:	100			55		225	45	425
Tobacco :								
1971	120	6	4	16	70	30	44	290
1972	158	4	5	17	75	38	62	359
1973:	142	5	6	20	78	38	65	354
1974	145	6	5	17	65	39	59	336
1975	162	6 5	5	17	102	40	70	402
1976	165	>	5	16	100	63	74	428

^{-- =} No information reported, negligible, or none.

^{1/ 1976} data are preliminary. 2/ Derived figure.

Table 11--January livestock numbers, Eastern Europe, 1971-77 $\underline{1}/$

Category :		: Czecho-	:	:	:	:	:	Total
and :	Bulgaria	: slovakia	: GDR	: Hungary	: Poland	: Romania	: Yugoslavia	Eastern
year :		<u>:</u>	<u>:</u>	<u>:</u>	<u>:</u>	 		: Europe
:				1 000) head			
				1,000	7 IICGG			
Cattle, total :								•
1971:	1,279	4,288	5,190	1,912	10,220	5,216	5,138	33,243
1972:	1,379	4,349	5,293	1,883	10,562	5,528	5,148	34,142
1973:	1,441	4,466	5,379	1,893	11,265	5,767	5,366	35,577
1974:	1,454	4,556	5,482	1,931	12,309	5,897	5,681	37,310
1975:	1,554	4,566	5,585	2,018	12,815	5,983	5,872	38,393
1976:	1,657	4,555	5,532	1,904	12,764	6,126	5,755	38,293
1977:	1,722	4,654	5,470	1,888	12,045	6,349	5,830	37,958
Cows :								
1971	589	1,881	2,163	763	5,829	2,276	2,774	16,275
1972	607	1,900	2,173	750	5,904	2,385	2,786	16,505
1973	620	1,906	2,169	762	6,023	2,447	2,921	16,848
1974	615	1,927	2,164	786	6,268	2,498	3,056	17,314
1975	644	1,927	2,157	797	6,350	2,537	3,195	17,607
1976:	669	1,903	2,155	760	6,138	2,560	3,267	17,452
1977:	691	1,885	2,146	770	5,783	2,568	3,300	17,143
:								
Hogs :			- (0)		30.060	(050	(=(0	53 (50
1971:	2,369	5,530	9,684	7,311	13,863	6,359	6,562	51,678
1972:	2,806	5,935	9,995	7,594	16,946	7,742	6,216	57,234
1973 1974	2,598 2,431	6,093 6,266	10,361 10,849	6,858 8,011	19,023 21,451	8,785 8,987	6,342 7,401	60,060 65,396
1975	3,422	6,719	11,518	8,293	21,709	8,566	7,683	67,910
1976	3,889	6,683	11,501	6,953	21,647	8,813	6,536	66,022
1977	3,453	6,820	11,291	7,855	16,764	10,192	6,863	63,238
:	3, 7,3	-,	,-,-	1,4-22	20,10		-,5	
Sheep :								
1971:	9,678	981	1,598	2,316	2,661	13,818	8,703	39,755
1972:	10,127	932	1,607	2,054	2,653	14,071	8,326	39,770
1973:	9,920	889	1,657	1,936	2,627	14,455	7,774	39,258
1974:	9,765	842	1,742	1,813	2,595	14,302	7,852	38,911
1975	9,791	811	1,847	2,021	2,660	13,929	8,175 7,831	39,234
1976	10,014	805	1,882	2,039 2,348	2,787 2,800	13,865 14,327	7,780	39,223 39,640
1977	9,725	790	1,870	2,340	2,000	14,9001	1,100	37,010
Horses :								
1971:	170	131	126	222	2,569	668	1,048	4,934
1972:	159	118	106	211	2,469	654	1,015	4,732
1973:	148	100	94	188	2,401	631	964	4,526
1974	142	84	82	172	2,387	594	945	4,406
1975:	137	71	76	163	2,330	557	922	4,256
1976:	133	62	70	156	2,100	562	864	3,947
1977	130	60	70	150	2,050	560	820	3,840
Poultry :								
1971	33,706	39,187	43,034	61,300	87,561	54,333	44,954	364,075
1972	34,102	38,238	43,343	58,800	88,854	61,262	44,584	369,183
1973	34,788	39,170	43,658	50,600	92,875	64,496	49,206	374,793
1974	36,939	41,232	45,667	55,300	94,227	66,511	54,685	394,561
1975	35,089	39,476	47,530	57,500	96,583	67,672	54,991	398,841
1976	38,054	40,130	47,122	56,100	99,795	78,626	54,764	414,591
1977:	39,504	44,142	48,400	58,000	91,421	79,000	55,000	436,267
1977:	39,504	44,142	48,400	58,000	91,421	79,000	55,000	436,267

^{1/ 1977} data are preliminary.

Table 12--Production of principal livestock products, Eastern Europe, annual 1971-76 1/

Commodity :	Bulgaria	: Czecho- : slovakia	: : GDR	: Hungary	: Poland	: Romania	: : Yugoslavia	: Total : Eastern
year :		: 5107414	<u>:</u>	<u>:</u>	:	:		: Europe
•				7 000				
				1,000 me	tric tons			
Beef and veal 2/ :								
1971	101	373	334	203	642	212	274	2,139
1972:		377	349	187	586	219	277	2,105
1973:		404	368	210	627	251	286	2,272
1974:		431	389	187	808	250	328	2,509
1975		431	417	243	870	260	351	2,684
1976:		415	405	216	900	285	360	2,695
1910		717	407	210	,,,,	20)	500	2,097
Mutton, lamb, and :								
goat meat 2/								
1971:	102	8	10	18	29	67	52	286
1972:		8	11	15	30	63	50	278
1973:		8	11	17	29	69	50	284
1974		7	13	16	28	70	49	283
1975:		7	14	16	26	71	56	280
1976:	100	7	14	16	25	67	57	286
1910	100	'		10	2)	01	71	200
Pork 2/								
1971	204	624	854	753	1,357	474	611	4,877
1972	243	681	927	820	1,643	591	561	5,466
1973		671	970	733	1,833	674	503	5,607
1974:		703	1,041	861	1,948	749	645	6,159
1975:	329	738	1,132	930	1,852	724	646	6,351
1976:	345	730	1,080	800	1,600	830	596	5,981
1910	247	150	1,000	000	1,000	030),o	7,501
Poultry meat 2/ :								
1971	111	111	99	237	150	145	149	1,002
1972:		119	107	243	172	190	144	1,083
1973:		124	111	252	196	209	160	1,165
1974:		129	124	272	223	238	181	1,298
1975:	123	134	127	280	254	273	188	1,379
1976:	140	144	134	308	297	300	205	1,528
-510				500	-/ '	200	/	1,,20
Total meat $2/3/$:								
1971:	522	1,157	1,326	1,216	2,232	898	1,102	8,453
1972:	565	1,225	1,423	1,270	2,480	1,063	1,052	9,078
1973:		1,242	1,490	1,217	2,729	1,203	1,067	9,514
1974:		1,307	1,598	1,341	3,061	1,307	1,283	10,459
1975:	657	1,349	1,718	1,474	3,062	1,328	1,329	10,917
1976:		1,330	1,660	1,345	2,875	1,482	1,295	10,689
:			•	•		•		,_,
Milk :								
1971:		4,924	7,150	1,802	15,146	3,205	2,732	36,630
1972:	1,674	5,123	7,515	1,810	15,765	3,561	2,968	38,416
1973:	1,708	5,430	7,738	1,957	16,243	3,784	3,257	40,117
1974:	1,782	5,503	8,075	2,020	16,667	3,760	3,640	41,447
1975:	1,803	5,462	8,095	1,979	16,395	3,812	3,802	41,348
1976:	1,785	5,375	8,085	2,060	17,000	4,115	3,753	42,173
:			•	-,	·	,,		
:				Mill	ions			
:								
Eggs :								
1971:	1,747	3,996	4,504	3,475	7,080	3,984	2,937	27,723
1972:	1,703	4,120	4,425	3,217	7,475	4,300	2,964	28,204
1973:	1,736	4,254	4,554	3,285	7,437	4,655	3,201	29,122
1974:	1,753	4,468	4,922	3,628	7,871	4,871	3,674	31,187
1975:	1,845	4,499	5,047	4,001	8,013	5,412	3,590	32,407
1976:	1,855	4,492	5,000	3,700	7,870	6,147	3,700	32,764
	-,-,,	.,.,-	,,	3,100	.,	- ,	_,.	

^{1/ 1976} data are preliminary.
2/ Data include edible slaughter fat.
3/ Includes horse and rabbit meat.
4/ Cows milk only for Czechoslovakia, East Germany, Hungary, and Poland. In East Germany, milk production is given in 3.5 percent fat content equivalent.

Table 13--Trade in selected agricultural

Commodity	: Imports :													
and	1968	: : 1969 :		: : 1971 :	: : 1972 :	: : 1973 :		: : 1975						
				1,000 me	tric tons									
otal grain:	•													
Bulgaria	: 365	508	158	195		136	637	653						
Czechoslovakia	, , , ,	1,727	1,367	2,033	1,550	1,552	1,088	885						
GDR	: 1,628	1,864	3,424	3,066	3,845	2,990	2,770	3,360						
	: 455	356	181	808	788	265	390	172						
	: 1,972	1,875	2,484	2,904	3,108	3,263	4,091	3,963						
		 52	484	366	39	212 278	784	518						
9	:: 79 : 6,378		125	1,006	982	•	940	17						
TOTAL	: 6,378 :	6,382	8,223	10,378	10,312	8,696	10,700	9,568						
Meat:														
Bulgaria	: 273	401	52	150			77	105						
Czechoslovakia	_,_,	1,226	1,026	1,204	1,094	950	664	515						
GDR :	: 1,075	1,311	2,084	1,867	2,040	1,594	1,219	1,130						
	: 307	301	156	401	35		2	30						
Poland	: 1,068	1,181	1,099	1,910	1,274	1,620	1,758	1,477						
	:		152	334	29	184	302	86						
	: 79		\	547	448	225	845							
Total	: 4 , 173	4,420	4,569	6,413	4,920	4,573	4,867	3,343						
arley:		4												
Bulgaria	54	22	106	8		53	201	278						
Czechoslovakia	125	197	139	133	112	133	90	82						
GDR :	: 170	218	799	187	675	298	104	390						
Hungary	: 74	45	23	209	548	199	333	101						
Poland	545	375	1,093	616	1,332	780	1,135	1,376						
			332	32	77	7	21							
Yugoslavia		234	115	125	66	10	5	15						
Total	968	891	2,607	1,310	2,733	1,480	1,889	2,242						
orn:														
Bulgaria	: 39	83		33		68	359	222						
Czechoslovakia		217	122	480	302	469	332	283						
GDR	: 378	289	376	656	1,031	1,086	1,328	1,795						
Hungary	74			162	107		3							
Poland :	295	247	231	267	337	684	765	634						
Romania <u>l</u> /	:				10	10	461	432						
Yugoslavia		7	1	308	417	42	81							
Total	1,049	843	730	1,906	2,204	2,359	3,329	3,366						
ilseeds:														
Bulgaria :	31	41	21	- 6	5	2	5	3						
Czechoslovakia	_	181	188	132	120	140	129	114						
GDR	: 132	130	203	208	197	133	129	124						
	23	75	38	64	6	5	5	2						
Poland		132	82	88	108	163	206	134						
Romania 3/	:			20	19	20	20	15						
Yugoslavia :	: 31	15	14	51	9	12	46	12						
Total :	478	574	536	569	464	475	540	404						

Footnotes at end of table.

	Exports											
1968		: : 1970 :	: : 1971 :	: : 1972 :	: : 1973 :	: : 1974 :	: : 1975 :	_: Commodity : and : country				
			1,000 me	tric tons				:				
489 27 290 141 119 1,555 433 3,054	536 54 231 460 183 1,368 323 3,155	462 62 420 810 200 371 304 2,629	558 35 390 112 111 702 70 1,978	833 35 325 505 208 900 22 2,828	367 33 343 1,732 410 1,126 398 4,409	149 207 312 1,472 262 712 315 3,429	195 73 410 1,285 104 1,163 36 3,266	:Total grain: : Bulgaria : Czechoslovakia : GDR 1/ : Hungary : Poland : Romania : Yugoslavia : Total				
365 23 115 1,176 3 1,682	238 14 367 480 1,099	211 143 571 14 4 943	324 160 83 236 2 805	509 363 543 1,415	220 923 776 1,919	139 68 633 641 4 1,485	113 73 952 705 1,843	:Wheat: : Bulgaria : Czechoslovakia : GDR 1/ : Hungary : Poland : Romania : Yugoslavia : Total				
 27 95 32 21 175	 40 102 1 51 1 195	54 210 19 144 427	 33 164 78 1 276	40 35 167 122 129 493	16 33 173 88 43 103 456	33 152 14 68 33 300	 48 62 29 11 150	: Barley: Bulgaria Czechoslovakia GDR 1/ Hungary 2/ Poland Romania Yugoslavia Total				
124 375 389 888	298 79 888 318 1,583	250 180 357 298 1,085	230 26 466 63 785	285 19 357 20 681	130 693 350 277 1,450	10 770 71 263 1,114	82 319 458 20 879	: Corn: Bulgaria Czechoslovakia GDR Hungary Poland Romania Yugoslavia Total				
50 2 18 175 75 25 345	13 ⁴ 4 36 85 49 23 331	117 3 42 46 54 135 397	95 3 80 61 25 33 297	95 2 36 10 78 20 241	35 3 27 57 42 15	2 2 30 3 29 30 96	7 1 45 76 6 135	: :Oilseeds: :Bulgaria : Czechoslovakia : GDR : Hungary : Poland : Romania 2/ : Yugoslavia : Total				

--Continued

: Commodity				Impo	orts			
and country	1968	1969		1971	1972		197 ⁴	1975
:				1,000 met	tric tons			
Vegetable oil, edible:								
Bulgaria : Czechoslovakia :	25 47	19 50	5 50	1 55	 58	 40	 46	2 49
GDR :	112	104	117	99	161	98	127	95
Hungary :		28	12	30	7	21	20	17
Poland :	47	41	42	65	69	66	68	61
Romania :	,5	8	7	1	1	1	5	7
Yugoslavia : Total :	47 312	10 260	36 269	134 385	128 424	48 27 4	59 325	130 361
iouar :	عدر	200	209	307	727	217	<i>J</i> _ <i>J</i>	201
Oilseed meal $4/::$								
Bulgaria :	53	81	91	137	179	170	302	218
Czechoslovakia: GDR:	342 379	455 456	428 522	365 637	501 834	630 769	591 829	652 875
Hungary :		260	341	401	377	380	580	505
Poland :		278	313	317	545	724	794	948
Romania <u>2</u> / :		30	41	51	117	215	227	200
Yugoslavia :		139	196	188	150	200	272	150
Total :	1,506	1,699	1,932	2,096	2,703	3,088	3,595	3,548
Cotton: :								
Bulgaria :	58	62	61	62	56	61	58	51
Czechoslovakia:		82	114	106	108	104	119	116
GDR : Hungary :	- 1	79 64	1.06 98	91 66	91 67	86 73	99 74	100 93
Poland :	156	132	150	145	157	145	152	93 160
Romania :	76	84	83	91	97	108	104	111
Yugoslavia :	72	111	70	79	86	94	109	85
Total :	631	614	682	640	662	671	715	716
Hides, cattle 5/::								
Bulgaria :	/ .	570	465	486	384	366	443	377
Czechoslovakia:	2,050	1,800	2,141	2,443	2,451	2,452	2,122	2,147
GDR <u>6</u> / :	1,653	1,200	1,764 1,635	1,775	1,841 1,476	2,557	1,532	1,565 1,648
Hungary : Poland 6/ :	1 -1 -	3,869	4,630	1,063 4,960	5,842	1,716 6,724	1,852 5,677	5,181
Romania :	• •	1,470	2,663	1,675	2,335	3,244	1,769	1,761
Yugoslavia 6/ :	2,370	2,227	4,001	2,249	2,568	2,260	2,557	2,425
Total :	12,457	11,136	17,299	14,651	16,897	19,319	15,952	15,104
Meat and meat :								
products 7/: :								
Bulgaria :	14	11	16	15	10	15	39	19
Czechoslovakia:		110	121	76	46	22	41	32
GDR : Hungary :	68 24	66 27	85 61	56 16	47 14	43	25 19	24 12
Poland :	79	36	44	153	65	27 55	6	16
Romania :	6		8	46	43	8	10	3
Yugoslavia :	6	5 2	14	_5	11	46	20	3 8
Total :	280	257	349	367	236	216	160	114

Footnotes at end of table.

	Exports										
	: : 1969 :	: 1970	1971		: : : : : : : : : : : : : : : : : : :	1974	: : 1975 :	: Commodity : and : country			
			1,000 me	tric tons				:			
46 6 42 55 116 11 276	60 3 56 35 144 298	47 30 38 119 4 238	20 8 44 17 132 6 227	26 1 41 62 129 1 260	19 1 41 47 142 3 253	23 1 39 47 165 7 282	21 1 38 57 141 258	:Vegetable oil, : edible: : Bulgaria : Czechoslovakia : GDR : Hungary : Poland : Romania : Yugoslavia : Total			
 13	 31 31	7 13 41 16 52 129	36 14 98 30 8 186	40 29 60 14 9	42 27 117 186	27 171 6 204	35 163 202	: Oilseed meal 4/: : Bulgaria : Czechoslovakia : GDR : Hungary : Poland : Romania : Yugoslavia : Total			
16 4 20	11 11	12 12	9 16 25	10 10	6 6	2 2	1 4 5	: Cotton: : Bulgaria : Czechoslovakia : GDR : Hungary : Poland : Romania : Yugoslavia : Total			
 165 165	 253 253	44 298 342	137 330 467	2 330 332	 220 220	 220 220	 308 308	: Hides, cattle 5/: Bulgaria Czechoslovakia GDR Hungary Poland 6/ Romania Yugoslavia Total			
84 31 47 120 176 92 118 668	74 37 54 107 176 80 112 640	65 19 54 123 157 55 99 572	67 30 60 162 174 55 102 650	74 25 71 163 173 69 108 683	65 50 68 134 194 100 91 702	61 9 39 201 234 133 57 734	99 16 69 249 209 165 85	: Meat and meat : products 1/: : Bulgaria : Czechoslovakia : GDR 2/3/ : Hungary : Poland : Romania : Yugoslavia : Total			

--Continued

Table 13--Trade in selected agricultural

Commodity	: Imports														
and country	1968	:	1969	:	1970	:	1971	:	1972	:	1973	:	1974	:	1975
		1,000 metric tons													
Sugar 8/: Bulgaria Czechoslovakia GDR Hungary Poland Romania Yugoslavia Total	364 200 313 14 21 55 74 1,041		358 206 223 16 30 68 37 938		403 234 514 37 12 98 11 1,309		305 197 433 198 43 119 155 1,450		160 143 331 145 22 76 295 1,172		232 148 260 174 28 78 380 1,300		212 165 285 200 28 90 69 1,049		295 48 166 198 43 48 136 934
Tobacco: Bulgaria Czechoslovakia: GDR Hungary Poland Romania Yugoslavia Total	2 22 21 12 5 1 9		1 19 17 10 4 1 3		5 16 16 8 3 2 4 54		6 17 19 8 3 5 5		1.2 21 23 9 3 2 6 76		5 18 18 9 7 2 2		7 16 20 9 4 7 2 65		9 14 17 8 10 2 6

^{-- =} No information reported, negligible, or none.

 $[\]underline{\underline{1}}/$ As reported by trading partners. $\underline{\underline{2}}/$ As reported by FAO. $\underline{\underline{3}}/$ Soybeans only as reported by trading partners. $\underline{\underline{4}}/$ Includes millfeed.

commodities, Eastern Europe, 1968-75--Continued

			Exp	ports				: Commodity
1968	: : 1969 :	: : 1970 :	: : 1971 :	: : 1972 :	: : 1973 :	: : 1974 :	: : 1975 :	: and : country :
			1,000 me	etric tons				:
13 312 169 18 703 69 14 1,298	300 190 51 322 113 47 1,023	20 350 212 23 323 43 61 1,032	36 320 144 2 88 11 42 643	229 158 332 170 889	225 120 422 105 872	189 186 10 183 48 	227 64 7 150 28 476	: :Sugar 8/: : Bulgaria : Czechoslovakia : GDR : Hungary : Poland : Romania : Yugoslavia : Total
69 1 2 7 8 11 16 11 ⁴	60 2 3 7 9 6 14	58 1 2 9 10 4 19	62 2 6 12 1 20 103	63 3 2 3 9 3 17 100	69 1 2 2 12 6 18 110	69 2 2 1 13 6 19	71 2 1 10 9 24 117	:Tobacco: : Bulgaria : Czechoslovakia : GDR : Hungary : Poland : Romania : Yugoslavia : Total

^{5/} Thousand pieces.
6/ Converted from metric tons to pieces at 20 kilograms pe
7/ Includes poultry meat.
8/ Raw value. From the International Sugar Organization. Converted from metric tons to pieces at 20 kilograms per piece.

Table 14--Volume and value of U.S. agricultural exports

Commodity : and : country :	1969	•	: : 1971 :	: : 1972 :	: : 1973 :	: : 1974 :	: : 1975 :	: : 1976 <u>2</u> / :
:				1,000 me	tric tons			,
Wheat: :								
Bulgaria :								
Czechoslovakia:					74		9	143
GDR :		6		146	418	11	335	778
Hungary :		5						
Poland :		 157	334	142 29	837	199	502 86	736
Romania : Yugoslavia :			334 382	396	242	 146	00	334
Total :		168	716	713	1,571	356	932	1,991
iocai .		100	110	113	1,711	3,70	932	1,551
Feed grains: :								
Bulgaria :						64	. 115	299
Czechoslovakia:		27	259		46	5		772
GDR :		228	403	409	738	1,165	1,590	2,119
Hungary :	639	1			24	1		
Poland :	158	101	459		872	696	1,504	2,155
Romania :		453	32		121	512	534	108
Yugoslavia :		111	316	\		198		- \
Total :	797	921	1,469	409	1,801	2,641	3,743	5,453
otal grains:								
Bulgaria :						64	115	299
Czechoslovakia:		27	259		120	5	9	915
GDR :		234	403	555	1,156	1,176	1,925	2,897
Hungary :	639	6			24	1		
Poland :	158	101	459	142	1,709	895	2,006	2,891
Romania :		610	366	29	121	512	620	442
Yugoslavia :		111	698	396	242	344	\	- 111
Total :	797	1,089	2,185	1,122	3,372	2,997	4,675	7,444
)ilseeds: :								
Bulgaria :								
Czechoslovakia:	11	8	9	72	16	106	62	1
GDR :			15			58		20
Hungary :	5	34	12		148			
Poland :	107	96	68	128		126	120	15
Romania :					20		16	249
Yugoslavia :			45					
Total :	123	138	149	200	184	290	198	285
regetable oil: :								
Bulgaria :								
Czechoslovakia:								
GDR :								
Hungary :								
Poland :	2	26	25	37	42	9	12	10
Romania :							.	
Yugoslavia :		47	89	106	32	40	49	
Total :	2	73	114	143	74	49	61	10

Footnotes at end of table.

1969	: 197		: : 1971	: : 1972 :	: : 1973 :	: : 1974 :	: : 1975	: : 1976 <u>2</u> /	: Commodity : and : country
				1,000 U	S. dollars				: :
 	3 ¹ 26 3° 9,1 ¹ 10,18	7 13 14	19 19,539 23,556 43,114	8,829 8,493 1,440 22,517 41,279	4,958 33,760 66,319 49,557 154,594	2,244 18,589 24,396 45,229	1,576 58,074 80,296 11,793 151,739	20,875 107,297 93,895 48,453 270,520	: Wheat: : Bulgaria : Czechoslovakia : GDR : Hungary : Poland : Romania : Yugoslavia : Total
21,79 ¹ 4 8,130 29,92 ¹ 4	1,56 13,55 6 5,49 15,77 3,49 39,8°	58 59 50 38	1 15,840 22,302 25,277 1,569 17,465 82,454	4,963 30,500 16,331 9,621 22,537 83,952	3,066 68,188 2,498 71,962 8,611 154,325	9,964 672 149,918 86,652 70,351 6,225 323,782	1 ⁴ ,780 39 229,950 2 ⁴ 181,359 69,585 495,737	34,204 91,570 211,415 411 252,940 25,586 139 616,265	Feed grains: Bulgaria Czechoslovakia GDR Hungary Poland Romania Yugoslavia Total
21,794 8,130 29,924	1,56 13,90 33 5,82 24,88 3,51	95 88 27 81	1 15,840 22,321 25,277 21,108 41,021 125,568	4,963 39,329 24,824 11,061 45,054 125,194	8,024 101,948 2,498 138,281 8,611 49,577 308,919	9,964 672 152,162 105,241 70,351 30,621 369,011	14,780 1,615 288,024 24 261,655 81,378 647,476	34,204 112,445 318,712 411 346,835 74,039 139 886,785	:Total grain: :Bulgaria :Czechoslovakia :GDR :Hungary :Poland :Romania :Yugoslavia :Total
1,058 961 8,972 10,991	1,60 92 3,96 10,51	20 56 14 	1,153 1,697 1,487 7,665 5,245 17,247	13,120 157 12,924 1 217 26,419	6,400 16,160 28,626 5,745 56,931	69 22,872 11,382 96 42,611 2 77,032	18,039 27 35,082 3,506 1,708 58,362	7,114 840 12,581 46,887 67,424	: Oilseeds: : Bulgaria : Czechoslovakia : GDR : Hungary : Poland : Romania : Yugoslavia : Total
 1 747 1 749	10 7,53	86 81	5,701 26,743 32,444	155 7,287 28,521 35,963	 13,192 8,590 21,782	7,373 24,963 32,336	11,126 34,570 45,696	4,725 4,725	: Vegetable oil: Bulgaria Czechoslovakia GDR Hungary Poland Romania Yugoslavia Total

--Continued

Commodity :		:	:	:	:	:	:	:
and :	1969	: 1970	: 1971	: 1972	: 1973	: 1974	: 1975	: 1976 <u>2</u> /
country :		:	:	:	<u>:</u>	:	:	_:
:								
:				1,000	metric tons			
Oilcake and meal:								,
Bulgaria :	30	56	10			16	24	
Czechoslovakia:		44	79	124	179	164	305	202
GDR :	40	5	23		109	216	298	278
Hungary :		164	147	57	86	120	196	105
Poland :	89	101	91	109	366	268	228	431
Romania :	10			51	166	103	13	94
Yugoslavia :	135	185	117	134	166	220	328	126
Total :	304	555	467	475	1,072	1,107	1,392	1,236
:								
Cotton, exclud-:								
ing linters $3/::$								
Bulgaria :							77	
Czechoslovakia:								
GDR :	==							
Hungary : Poland :	 27	47		 47	 51	31	20	 32
Romania :		46	 57	41	72	89	44	34
Yugoslavia :	54	40 	2		12			
Total :	81	93	59	91	123	120	64	32
:	01	, ,	,,	7-	223	220	,	32
Cattle hides 4/::								
Bulgaria :			5	71	5	42	26	49
Czechoslovakia:	312	499	692	852	804	635	877	678
GDR :	6	4	20		20	2	15	9
Hungary :	5	37	130	93	113	286	158	270
Poland :	279	152	474	545	719	638	788	389
Romania :	379	449	571	1,200	1,006	1,777	1,226	1,651
Yugoslavia :	288	452	228	207	233	220	110	252
Total :	1,269	1,593	2,120	2,968	2,900	3,600	3,200	3,298
:								

to Eastern Europe, including transshipments, 1969-76 $\underline{1}$ /

1969	: : 1970	: : 1971 :	: : 1972 :	: : 1973 ·	: : 1974 :	: : 1975 :	: : 1976 <u>2</u> / :	: Commodity : and : country
			1,000 U.S	. dollars				: :
2,313 9 3,498 8,537 787 12,209 27,353	5,293 5,665 5,155 15,107 9,179 18,182 58,581	1,033 7,230 2,151 15,093 9,490 11,940 46,937	1 ⁴ ,63 ⁴ 6,619 12,987 5,513 15,939 55,692	38,465 10,765 14,721 78,577 28,449 35,222 206,199	3,181 33,290 45,966 26,226 62,994 25,455 48,155 245,267	3,544 50,824 51,964 34,908 65,632 1,886 2,327 211,085	0 01	: :Oilcake and Meal: : Bulgaria : Czechoslovakia : GDR : Hungary : Poland : Romania : Yugoslavia : Total
 3,548 6,787 10,335	5,733 6,732 12,465	 8,060 286 8,346	1 7,736 7,387 15,124	8,448 11,604 20,052	9,262 38,818 48,080	4,131 12,206 16,337	9,842	: Cotton, exclud- : ing linters 4/: : Bulgaria : Czechoslovakia : GDR : Hungary : Poland : Romania : Yugoslavia : Total
2,805 40 11 2,574 3,091 2,898 11,419	4,020 125 298 1,321 3,664 4,333 13,761	50 5,412 228 906 3,767 4,389 1,912 16,664	911 13,022 1,154 8,580 19,617 3,072 46,356	98 15,904 274 1,686 15,641 18,103 4,441 56,147	622 9,678 45 4,213 9,739 24,081 4,212 52,590	275 8,034 195 1,432 7,425 9,693 1,548 28,602	159	Cattle hides: Bulgaria Czechoslovakia GDR Hungary Poland Romania Yugoslavia Total
35 632 1,902 296 6,023 493 992 10,273	52 343 1,671 820 10,745 2,442 3,984 20,057	27 910 1,834 1,481 12,278 22 5,234 21,786	841 3,936 1,666 2,527 10,849 1,244 4,499 25,562	1,855 2,361 3,267 2,641 19,035 3,134 5,281 37,594	1,911 3,567 5,485 7,213 29,822 378 7,576 55,952	1,011 6,226 3,545 4,096 20,243 46 3,271 38,438	765 8,488 8,533 4,024	: Other: : Bulgaria : Czechoslovakia : GDR : Hungary : Poland : Romania : Yugoslavia : Total
2,348 4,505 24,597 3,805 38,531 4,371 22,886 101,043	5,421 13,201 21,776 20,636 50,885 37,719 44,795 194,433	1,111 30,545 28,196 18,932 63,178 33,579 92,381 267,922	1,753 49,830 40,995 10,453 85,187 44,823 97,302 330,343	1,953 71,154 132,414 21,546 301,800 75,646 103,111 707,624	15,747 70,079 215,040 37,748 268,042 159,083 115,539 881,278	19,610 84,735 343,728 40,487 383,566 108,715 43,424 1,024,265	37,307 172,301 364,851	: Total agricul- : tural exports: : Bulgaria : Czechoslovakia : GDR : Hungary : Poland : Romania : Yugoslavia : Total

Including transshipments through Canada, Netherlands, and West Germany. Preliminary. Running bales. Thousand pieces.

Table 15--Volume and value of U.S. agricultural imports from Eastern Europe, 1969-76

1976	0.6 6.7 38.1 13.8 64.8	1,960 106 19,798 12,998 44,342 206,197	10,688 2,004 2,769 17,225 3,080 32,703	10,688 3,964 3,964 22,567 144,218 77,045 275,463
1975	0.2 0.2 38.3 38.3 3.6 12.1 59.0	383 444 40 12,475 105,965 8,349 35,652 163,307	3,693 1,434 1,198 1,198 3,800 26,788 49,995	4,076 1,877 13,673 118,515 12,149 62,440 213,302
1974	0.1 0.4 3.6 29.4 4.9 9.0	284 736 7,418 69,918 9,930 20,758	3,361 1,645 1,003 2,262 17,879 1,820 24,813	3,645 2,381 1,003 9,680 87,797 11,750 45,571
1973	metric tons - 0.1 2.3 28.1 3.3 8.7 42.5	312 5,153 71,995 6,319 22,563	3,199 967 1,459 15,447 2,152 21,867 45,547	3,199 1,279 556 6,612 87,442 8,471 44,430
1972	1,000 ms 0.3 0.3 2.0 1,2.6	286 433 25 25,801 52,801 2,845 11,131 72,308	2,055 667 159 875 11,771 21,081 39,042	2,341 1,100 1,84 5,662 64,572 5,279 32,212 111,350
1971	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	190 1,287 57 3,327 43,398 287 8,618 57,164	1,606 637 1,199 6,220 1,414 22,471 33,726	1,796 1,924 236 4,526 49,618 1,701 31,089 90,890
1970	1.2 1.6 25.6 5.3 33.7	1,860 2,568 47,184 9,481	1,745 941 146 740 6,959 1,108 17,124 28,763	1,745 2,801 146 3,308 54,143 1,108 26,605 89,856
1969	24.7 24.7 31.4	1,528 28 28 45,076 9,342 56,094	1,129 531 24 615 5,923 1,082 18,070	1,129 2,059 52,059 711 50,999 1,106 27,412 83,468
Commodities and country :	Processed meat: Bulgaria Czechoslovakia GDR Hungary Poland Yugoslavia Total	Processed meat: Bulgaria Czechoslovakia GDR Hungary Poland Romania Yugoslavia Total	Other products: Bulgaria Czechoslovakia GDR Hungary Poland Romania Yugoslavia	Total: Bulgaria Czechoslovakia Czechoslovakia GDR Hungary Poland Romania Yugoslavia Total



UNITED STATES DEPARTMENT OF AGRICULTURE WASHINGTON, D.C. 20250

POSTAGE AND F
U.S. DEPARTM
AGRICULTO...
AGR 101
THIRD CLASS



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